Help Guide

Digital Camera ZV-1M2

Recommended pages in the Help Guide

Finding functions from MENU

You can check the list of the menu items. You can also move to the explanation page for each item from the menu item on the list.

Bluetooth Rmt Ctrl

You can operate the camera using a Bluetooth compatible remote commander (sold separately) or shooting grip (sold separately).

File Format (movie)

You can select the movie file format.

S&Q Settings

You can record a moment that cannot be captured by the naked eye (slow-motion recording), or record a long-term phenomenon into a compressed movie (quick-motion recording).

Assigning frequently used functions to buttons (Custom Key Setting)

You can assign frequently used functions to the desired buttons.

Vertical Display

You can set the camera to rotate the information display of the shooting screen automatically for easy viewing when holding the camera vertically.

Support information

Looking for valuable information, such as essential points on shooting @

This website introduces convenient functions, ways of usage, and setting examples. Refer to the website when you set up your camera.

Firmware, Questions & Answers and Compatibility @

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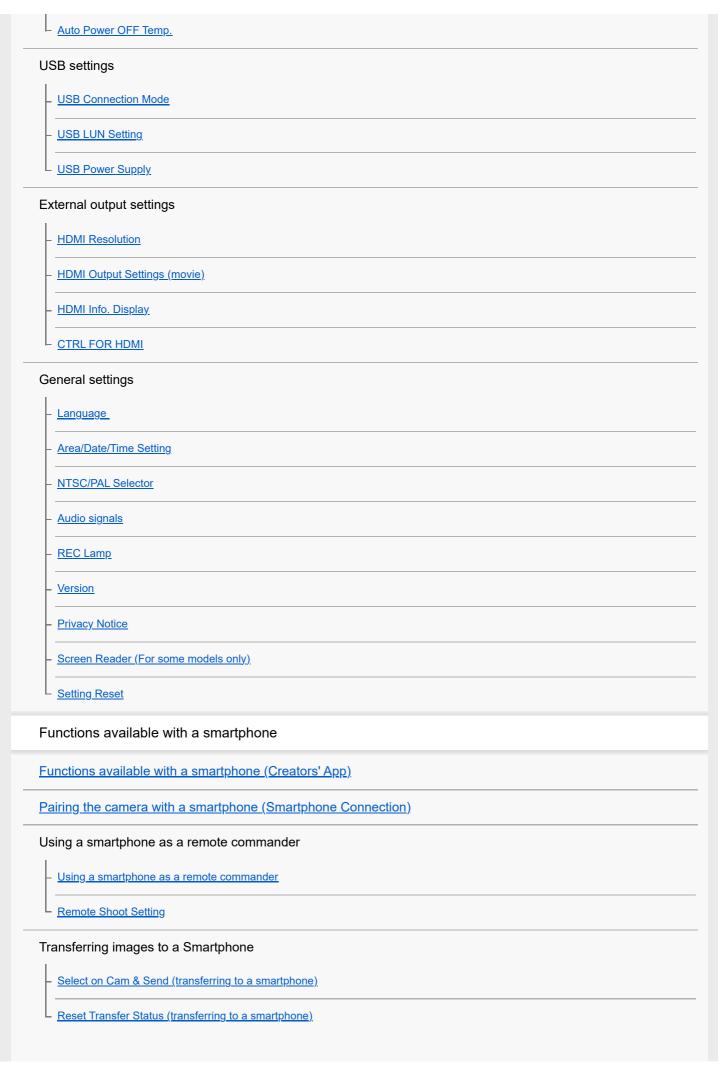
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5-049-603-14(1) Copyright 2023 Sony Corporation	

Help Guide

Digital Camera ZV-1M2

How to use the "Help Guide"

The "Help Guide" is a "Web Instruction Manual" that has been designed to describe the functions and operating methods of this camera. Use the "Help Guide" to search for any information that you require in order to make full use of the camera

(The "Help Guide" screens shown on this page are for reference only. They may differ from the actual on-screen display of your model.)

Hint

The "Startup Guide" supplied with the camera describes basic operating methods and precautions for use. Please refer to the "Startup Guide" in combination with this "Help Guide."

Icons used in the "Help Guide"

- sag : Menu items displayed in the still image shooting modes
- 🔼 🛌 👯 : Menu items displayed in the movie recording modes and slow-motion/quick-motion shooting modes
- in any of the still image shooting modes, movie recording modes, or slow-

motion/quick-motion shooting modes

For details on the relationship between each shooting mode and the menu, refer to "MENU button."

Finding your desired information

Method A: Searching by keyword

Enter a search keyword ("white balance," "focus area," etc.), and use the search results to display the description page that you want to view. If you enter two or more keywords by separating them with spaces (blanks), you can search for pages that contain all of those keywords.

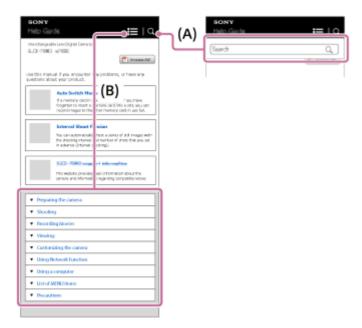
Method B: Viewing the table of contents

Select a heading from the table of contents to display the description page.

Screen displayed on a computer

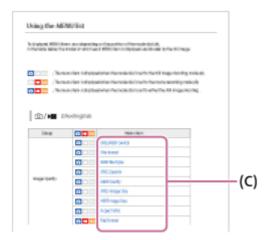


Screen displayed on a smartphone



Method C: Finding functions from MENU

If you want to search for information while checking it against the MENU screen of the camera, use the "Finding functions from MENU" page. Select a MENU item from the list to go directly to the description page.



Viewing information about related features

"Related Topic" at the bottom of each page lists sections that contain information related to the description page currently being displayed. For a deeper understanding of the currently displayed page, refer to the listed sections as well.



Printing all the pages of the "Help Guide"

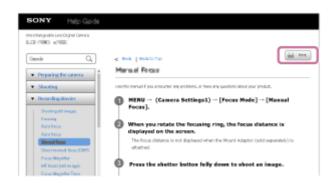
To print all the pages, select the [P] Printable PDF] button in the upper right corner of the top page. When the PDF file appears, use the printing menu of the browser to print it out.

This function is not available for certain languages.



Printing only the currently displayed page (only on a computer)

To print only the page currently being displayed, select the [Print] button at the top of the page. When the printing screen appears, specify your printer.



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Help Guide

Digital Camera ZV-1M2

Precautions

Refer also to "Notes on use" in the Startup Guide (supplied) for this product.

We use environmentally conscious packaging materials

Environmentally conscious packaging materials were used for the camera and supplied accessories. Due to the characteristics of the packaging materials, note the following points.

- Powder, etc. from the packaging materials may adhere to the camera or supplied accessories. In this case, remove it
 with a commercially available blower or cleaning paper before use.
- The packaging materials will deteriorate with continuous use. Be careful when carrying the product by the packaging.

On the data specifications described in this manual

- The data on performance and specifications in this manual are based on an ordinary ambient temperature of 25°C (77°F), except where otherwise indicated.
- For the battery pack, the data are based on a battery pack that was fully charged until the charge lamp turned off.

On operating temperatures

- Shooting in extremely cold or hot environments that exceed the operating temperature range is not recommended.
- Under high ambient temperatures, the temperature of the camera rises quickly.
- When the temperature of the camera rises, the image quality may deteriorate. It is recommended that you wait until the temperature of the camera drops before continuing to shoot.
- Depending on the camera and battery temperature, the camera may become unable to record movies or the power may turn off automatically to protect the camera. A message will be displayed on the screen before the power turns off or you can no longer record movies. In this case, leave the power off and wait until the camera and battery temperature goes down. If you turn on the power without letting the camera and battery cool sufficiently, the power may turn off again, or you may still be unable to record movies.

Notes on recording for long periods of time or recording 4K movies

- During use, the camera and battery may become warm. This is not a malfunction.
- Especially during 4K shooting, the recording time may be shorter under low temperature conditions. Warm up the battery pack or replace it with a new battery.

Notes on playing movies on other devices

XAVC S movies can only be played back on compatible devices.

Notes on recording/playback

- Before you start recording, make a trial recording to make sure that the camera is working correctly.
- Playback of images recorded with your product on other equipment and playback of images recorded or edited with other equipment on your product are not guaranteed.
- Sony can provide no guarantees in the event of failure to record, or loss of or damage to recorded images or audio data, due to a malfunction of the camera or recording media, etc. We recommend backing up important data.
- Once you format the memory card, all the data recorded on the memory card will be deleted and cannot be restored.
 Before formatting, copy the data to a computer or other device.
- Attach the shoulder strap to the camera to prevent it from falling.
- When using this product with a tripod or grip, be sure to attach the camera securely.

Notes on using a tripod

Use a tripod with a screw less than 5.5 mm (7/32 inches) long. Otherwise, you cannot firmly secure the camera, and damage to the camera may occur.

Notes on handling memory cards

The temperature of memory cards may rise after saving. This is not a malfunction.

Backing up memory cards

Data may be corrupted in the following cases. Be sure to back up the data for protection.

- When the memory card is removed, the USB cable is disconnected, or the product is turned off in the middle of a read or write operation.
- When the memory card is used in locations subject to static electricity or electrical noise.

Database file error

- If you insert a memory card that does not contain an image database file into the product and turn on the power, the product automatically creates an image database file using some of the memory card's capacity. The process may take a long time and you cannot operate the product until the process is completed.
- If a database file error occurs, export all images to your computer, and then format the memory card using this
 product.

Do not use/store the product in the following places

- In an extremely hot, cold or humid place
 In places such as in a car parked in the sun, the camera body may become deformed and this may cause a malfunction.
- Storing under direct sunlight or near a heater
 - The camera body may become discolored or deformed, and this may cause a malfunction.
- In a location subject to rocking vibration
 It may cause malfunctions and an inability to record data. In addition, the recording media may become unusable, and recorded data may be corrupted.
- Near strong magnetic place
- In sandy or dusty places
 - Be careful not to let sand or dust get into the product. This may cause the product to malfunction, and in some cases this malfunction cannot be repaired.
- In places with high humidity
 - This may cause the lens to mold.
- In areas where strong radio waves or radiation are being emitted Recording and playback may not function correctly.

On moisture condensation

- If the product is brought directly from a cold to a warm location, moisture may condense inside or outside the product.
 This moisture condensation may cause a malfunction of the product.
- To prevent moisture condensation when you bring the product directly from a cold to a warm location, first put it in a plastic bag and seal it to prevent air from entering. Wait for about an hour until the temperature of the product has reached the ambient temperature.
- If moisture condensation occurs, turn off the product and wait about an hour for the moisture to evaporate. Note that if you attempt to shoot with moisture remaining inside the lens, you will be unable to record clear images.

Precaution on carrying

- Do not hold, hit, or apply excessive force to the following parts, if your camera is equipped with them:
 - The lens part

- The movable monitor part
- The movable flash part
- The movable viewfinder part
- Do not carry the camera with the tripod attached. This may cause the tripod socket hole to break.
- Do not sit down in a chair or other place with the camera in the back pocket of your trousers or skirt, as this may cause malfunction or damage the camera.

Notes on handling the product

- This camera is not dustproof, drip-proof, or waterproof.
- Before you connect the cable to the terminal, be sure to check the orientation of the terminal. Then, insert the cable straight. Do not insert or remove the cable forcefully. This may cause the terminal part to break.
- The camera uses magnetic parts including magnets. Do not bring objects affected by magnetism, including credit cards and floppy disks, close to the camera.
- This camera is equipped with a magnetic sensor. The camera may turn on if it is placed too close to a magnet or a device with an internal magnet. Take care not to place the camera near any magnetic devices.
- The recorded image may be different from the image you monitored before recording.

On storing

- For lens-integrated cameras
 Always attach the lens cap when you are not using the camera. (Only for models supplied with a lens cap)
- For interchangeable-lens cameras
 Always attach the lens front cap or body cap when you are not using the camera. To prevent dust or debris from getting inside the camera, remove dust from the body cap before attaching it to the camera.
- If the camera is dirty after use, clean it. Water, sand, dust, salt, etc. left in the camera may cause a malfunction.

Notes on using lenses

- When using the power zoom lens, be careful not to get your fingers or any other objects caught in the lens. (Only for models with a power zoom feature or interchangeable lens cameras)
- If you must place the camera under a light source such as sunlight, attach the lens cap to the camera. (Only for models supplied with a lens cap or interchangeable lens cameras)
- If sunlight or a strong light source enters the camera through the lens, it may focus inside the camera and cause smoke or fire. When you shoot with backlighting, keep the sun sufficiently far away from the angle of view. Note that smoke or fire may occur even if the light source is slightly away from the angle of view.
- Do not directly expose the lens to beams such as laser beams. These may damage the image sensor and cause the camera to malfunction.
- If the subject is too close, the image may show any dust or fingerprints on the lens. Wipe the lens with a soft cloth, etc.

Notes on the flash (Only for models with a flash)

- Keep your fingers away from the flash. The light-emitting part may get hot.
- Remove any dirt from the surface of the flash. Dirt on the surface of the flash may emit smoke or burn due to heat generated by the emission of light. If there is dirt/dust, clean it off with a soft cloth.
- Restore the flash to its original position after using it. Make sure that the flash portion is not sticking up. (Only for models with a movable flash)

Notes on the Multi Interface Shoe (Only for models with a Multi Interface Shoe)

- When attaching or detaching accessories such as an external flash to the Multi Interface Shoe, first turn the power to OFF. When attaching the accessory, confirm that it is firmly fastened to the camera.
- Do not use the Multi Interface Shoe with a commercially available flash that applies voltages of 250 V or more or has the opposite polarity of the camera. It may cause a malfunction.

Notes on the viewfinder and flash (Only for models with a viewfinder or a flash)

- Take care that your finger is not in the way when pushing the viewfinder or flash down. (Only for models with a movable viewfinder or a movable flash)
- If water, dust or sand adheres to the viewfinder or flash unit, it may cause a malfunction. (Only for models with a movable viewfinder or a movable flash)

Notes on the viewfinder (Only for models with a viewfinder)

- When shooting with the viewfinder, you may experience symptoms such as eyestrain, fatigue, travel sickness, or nausea. We recommend that you take a break at regular intervals when you are shooting with the viewfinder.
 In case you may feel uncomfortable, refrain from using the viewfinder until your condition recovers, and consult your doctor if necessary.
- Although the viewfinder is built with high-precision technology for 99.99% or more effective pixels, black dots may appear, and white, red, blue, and green dots may not disappear. This is not a malfunction. These dots are not recorded.
- Do not forcibly push down the viewfinder when the eyepiece is pulled out. It may cause a malfunction. (Only for models with a movable viewfinder and an eyepiece that can be pulled out)
- If you pan the camera while looking into the viewfinder or move your eyes around, the image in the viewfinder may be distorted or the color of the image may change. This is a characteristic of the lens or display device and is not a malfunction. When you shoot an image, we recommend that you look at the center area of the viewfinder.
- The image may be slightly distorted near the corners of the viewfinder. This is not a malfunction. When you want to see the full composition with all its details, you can also use the monitor.
- If you use the camera in a cold location, the image may have a trailing appearance. This is not a malfunction.
- Do not directly expose the viewfinder to beams such as laser beams. These may damage the inside of the viewfinder and cause the camera to malfunction.

Notes on the monitor

- Although the monitor is built with high-precision technology for 99.99% or more effective pixels, black dots may appear, and white, red, blue, and green dots may not disappear. This is not a malfunction. These dots are not recorded.
- Do not press against the monitor. The monitor may be discolored and that may cause a malfunction.
- If the monitor has drops of water or other liquids on it, wipe it with a soft cloth. If the monitor stays wet, the surface of the monitor may change or deteriorate. This may cause a malfunction.
- If you use the camera in a cold location, the image may have a trailing appearance. This is not a malfunction.
- When you connect cables to the terminals on the camera, the rotating range of the monitor may become limited.

Notes on the image sensor

If you point the camera at an extremely strong light source while shooting images with a low ISO sensitivity, highlighted areas in the images may be recorded as black areas.

Notes on the wind screen (Only for models supplied with a wind screen)

- If the wind screen is stored for a long time in a place exposed to direct sunlight or near a heating device, it may become discolored. The texture and degree of raising of the hairs may change depending on the environment during use and storage as well as aging.
- Brushing or forcefully pulling the hairs on the wind screen may cause them to come off.
- If the wind screen gets wet or dirty, do not remove it from the wind screen adaptor. Wipe it off with a soft, dry cloth and dry it in the shade.

On image data compatibility

This product conforms with DCF (Design rule for Camera File system) universal standard established by JEITA (Japan Electronics and Information Technology Industries Association).

Services and software provided by other companies

Network services, content, and the [operating system and] software of this Product may be subject to individual terms and conditions and changed, interrupted or discontinued at any time and may require fees, registration and credit card

Notes on connecting to the internet

- When connecting to a wireless LAN network, this camera cannot connect to an access point that only uses WEP or WPA, which are security methods with potential vulnerabilities.
- This camera is not a network device (e.g., a router or switching hub). We strongly recommend connecting this camera to a network that can be properly configured and managed to protect against network-based attacks such as DoS (Denial of Service) attacks.
- When connecting this camera to a network, connect it via a properly configured and managed router or connect it to a LAN port with the same functionality as such a router. If you do not connect it in this way (for example, if you connect it to a free Wi-Fi network), security issues may occur. Properly configuring the router will provide sufficient protection against DoS attacks or loss of functionality of devices in the network. If you notice any abnormality, immediately disconnect the camera from the network.

Notes on security

- If you set [Security] to [None] in the camera's wireless LAN settings and connect the camera to an access point, wireless communications between the camera and the access point will not be encrypted, and third parties within the signal range may be able to intercept the content of the communications. Use WPA2, which is a more secure security method.
- SONY WILL NOT BE HELD LIABLE FOR DAMAGES OF ANY KIND RESULTING FROM FAILURE TO IMPLEMENT PROPER SECURITY MEASURES ON TRANSMISSION DEVICES, UNAVOIDABLE DATA LEAKS CAUSED BY TRANSMISSION SPECIFICATIONS. OR OTHER SECURITY PROBLEMS.
- Depending on the usage environment, unauthorized third parties on the network may be able to access the product.
 When connecting the camera to a network, be sure to confirm that the network is protected securely.

Optional accessories

- It is recommended that you use genuine Sony accessories.
- Some Sony accessories are only available in certain countries and regions.

Available models and kits

Some models and kits are only available in certain countries and regions.

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Help Guide

Digital Camera ZV-1M2

Lending, transferring or discarding the camera and/or memory card to others (Notes on protecting private information)

Important information may be recorded on the camera and/or memory card depending on the functions and camera settings.

Before lending, transferring, or discarding the camera and/or memory card to others, be sure to read the following and make sure that you have completed the procedures.

Notes on lending, transferring, or discarding the camera to others

Before lending, transferring, or discarding the camera to others, be sure to perform the following operation to protect private information.

Select [Setting Reset] → [Initialize].

When you initialize the device, the following information is deleted:

- Faces registered in [Face Memory]
- Root certificates for the cloud and the correct date and time
- Access point information
- Cloud connection information

Notes on using the cloud service (Creators' Cloud)

Before lending or transferring the camera, make sure that the camera linkage information and upload settings are appropriate to prevent damage such as the content on the camera being uploaded to an unintended third party's Creators' Cloud. If the settings are not appropriate, be sure to perform the following operations.

- If you will transfer or lend the camera: initialize the camera or cancel the linkage with Creators' Cloud on the camera. Also, cancel the camera linkage in Creators' Cloud.
- If the camera is transferred to you or you borrow the camera: initialize the camera or cancel the linkage with Creators' Cloud on the camera.

Note that Creators' Cloud may only be available in certain countries and regions.

Notes on lending, transferring, or discarding a memory card to others

Executing [Format] or [Delete] on the camera or a computer may not completely delete the data on the memory card. Before lending or transferring a memory card to others, we recommend that you delete any data on it completely using data deletion software. When discarding a memory card, we recommend that you physically destroy it.

Notes on network functions

When you use network functions, unintended third parties on the network may access the camera, depending on the usage environment. For example, unauthorized access to the camera may occur in network environments to which another network device is connected or can connect without permission. Sony bears no responsibility for any loss or damage caused by connecting to such network environments.

Notes on the [Face Memory] function

Faces registered through the [Face Memory] function are considered biometric information. Before lending or transferring this camera, initialize the camera to prevent face information registered through the [Face Memory] function from being

passed on to an unintended third party.

Notes on location information

If you upload and share still images or movies taken with this camera on the Internet while the location information is linked with the dedicated smartphone application, you may accidentally reveal the location information to a third party. To prevent third parties from obtaining your location information, deactivate the [Location Information Linkage] function of the dedicated application.

Warning on copyrights

Television programs, films, videotapes, and other materials may be copyrighted. Unauthorized recording of such materials may be contrary to the provisions of the copyright laws.

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Help Guide

Digital Camera ZV-1M2

Notes on the battery pack and charging the battery

Notes on using the battery pack

- Be sure to use only genuine Sony brand battery packs.
- The correct remaining battery indicator may not be displayed under some operating or environmental conditions.
- Do not expose the battery pack to water. The battery pack is not water-resistant.
- Do not leave the battery pack in extremely hot places, such as in a car or under direct sunlight.

Notes on charging the battery pack

- Charge the battery pack (supplied) before using the product for the first time.
- The charged battery pack will discharge little by little even if you do not use it. Charge the battery pack each time before you use the product so that you do not miss any opportunities to shoot images.
- Do not charge battery packs except battery packs specified for this product. Doing so can result in leaks, overheating, explosions, electric shocks, burns, or injuries.
- When you use a completely new battery pack or a battery pack that has not been used for a long time, the charge lamp (CHARGE) may flash quickly when the battery is charged. If this happens, remove the battery pack and then reinsert it to recharge.
- We recommend charging the battery pack in an ambient temperature of between 10 °C and 30 °C (50 °F and 86 °F).
 The battery pack may not be correctly charged in temperatures outside this range.
- Operation cannot be guaranteed with all external power supplies.
- When charging is finished, disconnect the AC Adaptor from the wall outlet (wall socket) or disconnect the USB cable from the camera. Not doing so may result in a shorter battery life.
- Do not continuously or repeatedly charge the battery pack without using it if it is already fully charged or close to fully charged. Doing so may cause a deterioration in battery performance.
- If the product's charge lamp flashes while charging, remove the battery pack being charged, and then insert the same battery pack firmly back into the product. If the charge lamp flashes again, this may indicate a faulty battery or that a battery pack other than the specified type has been inserted. Check that the battery pack is the specified type. If the battery pack is the specified type, remove the battery pack, replace it with a new or different one and check that the newly inserted battery is charging correctly. If the newly inserted battery is charging correctly, the previously inserted battery may be faulty.
- If the charge lamp flashes while charging the battery pack inside the camera, this indicates that charging has stopped temporarily and is on standby. Charging stops and enters standby status automatically when the temperature is outside of the recommended operating temperature. When the temperature returns to the appropriate range, charging resumes and the charge lamp lights up again.

Remaining battery indicator

- The remaining battery indicator appears on the screen. It takes about one minute for the correct remaining battery indicator to appear.
- The correct remaining battery indicator may not be displayed under some operating or environmental conditions.
- If you do not operate the product for a certain period of time while the power is on, the product turns off automatically (Auto power-off function).
- If the remaining battery indicator does not appear on the screen, press the DISP (Display Setting) button to display it.

Effective use of the battery pack

 Battery performance decreases in low temperature environments. So in cold places, the operational time of the battery pack is shorter. To ensure longer battery pack use, we recommend putting the battery pack in your pocket close to your body to warm it up, and insert it in the product immediately before you start shooting. If there are any metal objects such as keys in your pocket, be careful of causing a short-circuit.

- The battery pack will run down quickly if you use the flash or continuous shooting function frequently, turn the power on/off frequently, or set the monitor very bright.
- We recommend preparing spare battery packs and taking trial shots before taking the actual shots.
- If the battery terminal is dirty, you may not be able to turn on the product or the battery pack may not be properly charged. In that case, clean the battery by lightly wiping off any dust using a soft cloth or a cotton swab.

How to store the battery pack

To maintain the battery pack's function, charge the battery pack and then fully discharge it in the camera at least once a year before storing it. Store the battery in a cool, dry place after removing it from the camera.

On battery life

- The battery life is limited. If you use the same battery repeatedly, or use the same battery for a long period, the battery capacity decreases gradually. If the available time of the battery is shortened significantly, it is probably time to replace the battery pack with a new one.
- The battery life varies according to how the battery pack is stored and the operating conditions and environment in which each battery pack is used.

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Help Guide

Digital Camera ZV-1M2

Notes on memory card

- If [1] (overheating warning icon) is displayed on the monitor, do not remove the memory card from the camera right away. Instead, wait for a while after turning off the camera, and then remove the memory card. If you touch the memory card while it is hot, you may drop it and the memory card may be damaged. Be careful when removing the memory card.
- If you repeatedly shoot and delete images for a long time, fragmentation of data in a file in the memory card may occur, and movie recording may be interrupted in the middle of shooting. If this happens, save your images to a computer or other storage location, then execute [Format] using this camera.
- Do not remove the battery pack or the memory card, disconnect the USB cable, or turn the camera off while the
 access lamp is lit up. This may cause the data on the memory card to become damaged.
- Be sure to back up the data for protection.
- Not all memory cards are guaranteed to operate correctly.
- Images recorded on an SDXC memory card cannot be imported to or played on computers or AV devices not compatible with exFAT when connected using a USB cable. Make sure that the device is compatible with exFAT before connecting it to the camera. If you connect your camera to an incompatible device, you may be prompted to format the card. Never format the card in response to this prompt, as doing so will erase all data on the card. (exFAT is the file system used on SDXC memory cards.)
- Do not expose the memory card to water.
- Do not strike, bend or drop the memory card.
- Do not use or store the memory card under the following conditions:
 - High temperature locations such as in a car parked under the sun
 - Locations exposed to direct sunlight
 - Humid locations or locations with corrosive substances present
- If the memory card is used near areas with strong magnetization, or used in locations subject to static electricity or electrical noise, the data on the memory card may become damaged.
- Do not touch the terminal section of the memory card with your hand or a metal object.
- Do not leave the memory card within the reach of small children. They might accidentally swallow it.
- Do not disassemble or modify the memory card.
- The memory card may be hot just after it has been used for a long time. Be careful when you handle it.
- Memory card formatted with a computer is not guaranteed to operate with the product. Be sure to format the memory card using this product.
- Data read/write speeds differ depending on the combination of the memory card and the equipment used.
- Do not press down hard when writing in the memo space on the memory card.
- Do not attach a label on the memory card itself nor on a memory card adaptor. You may not be able to remove the memory card.
- If the write-protect switch or delete-protect switch of an SD memory card is set to the LOCK position, you cannot record or delete images. In this case, set the switch to the record position.
- To use a Memory Stick Micro media or microSD memory card with this product:
 - Be sure to insert the memory card into a dedicated adaptor. If you insert a memory card into the product without a memory card adaptor, you might not be able to remove it from the product.
 - When inserting a memory card into a memory card adaptor, be sure that the memory card is inserted in the correct direction and then insert it as far as it will go. If the card is not inserted properly, it may result in a malfunction.
- About Memory Stick PRO Duo media and Memory Stick PRO-HG Duo media:
 - This Memory Stick is equipped with MagicGate function. MagicGate is copyright protection technology that uses encryption technology.
 - Data recording/playback that requires MagicGate functions cannot be performed with this product.

- High-speed data transfer using a parallel interface is supported.

Related Topic

Format

TP1000811399

Help Guide

Digital Camera ZV-1M2

On cleaning

Cleaning the lens

- Do not use a cleaning solution containing organic solvents, such as thinner, or benzine.
- When cleaning the lens surface, remove dust with a commercially available blower. In case of dust that sticks to the surface, wipe it off with a soft cloth or tissue paper slightly moistened with lens cleaning solution. Wipe in a spiral pattern from the center to the outside. Do not spray lens cleaning solution directly onto the lens surface.

Cleaning the product surface

Clean the product surface with a soft cloth slightly moistened with water, then wipe the surface with a dry cloth. To prevent damage to the finish or casing:

- Do not expose the product to chemical products such as thinner, benzine, alcohol, disposable cloths, insect repellent, sunscreen or insecticide.
- Do not touch the product with any of the above on your hand.
- Do not leave the product in contact with rubber or vinyl for a long time.

Cleaning the monitor

- If you wipe the monitor firmly using tissue paper, etc., the monitor may be scratched.
- If the monitor becomes dirty with fingerprints or dust, gently remove the dust from the surface, and then clean the monitor using soft cloth, etc.

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Help Guide

Digital Camera ZV-1M2

Checking the camera and the supplied items

The number in parentheses indicates the number of pieces.

- Camera (1)
- NP-BX1 Rechargeable Battery Pack (1)



Wind screen (1) (Attached to the wind screen adaptor)



- Wind screen adaptor (1)
- Startup Guide (1)
- Reference Guide (1)

Note

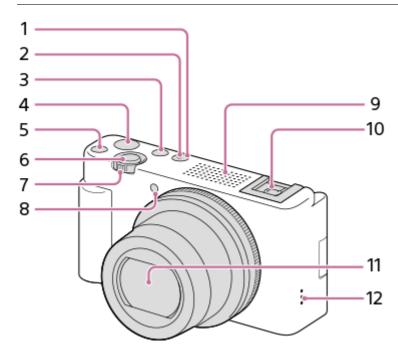
Accessories may differ depending on the country or region. Please check the Startup Guide for details on accessories.

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Help Guide

Digital Camera ZV-1M2

Identifying parts



- 1. ON/OFF (Power) button
- 2. Power/Charge lamp
- 3. Still/Movie/S&Q button
- 4. MOVIE (Movie) button
- 5. C1 button (Custom button 1)/
- 6. Shutter button
- 7. For shooting: W/T (zoom) lever

For viewing: [Index] lever/Playback zoom lever

- 8. Self-timer lamp/Recording lamp
- 9. Internal microphone
 - Do not cover this part during movie recording. Doing so may cause noise or lower the volume.

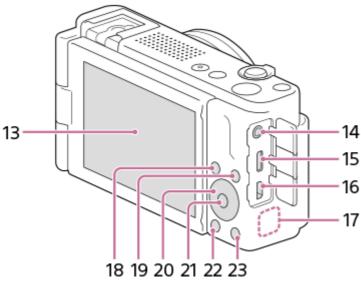
10. Multi Interface Shoe

- Some accessories may not go in all the way and protrude backward from the Multi interface shoe. However, when the accessory reaches the front end of the shoe, the connection is completed.
- For details on compatible accessories for the Multi Interface Shoe, visit the Sony website, or consult your Sony dealer or local authorized Sony service facility.

Accessories for the Accessory Shoe can also be used. Operations with other manufacturers' accessories are not guaranteed.

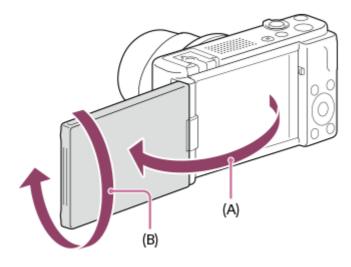


- **11.** Lens
- 12. Speaker



13. Monitor/Touch panel

You can adjust the monitor to an easily viewable angle and shoot from any position.

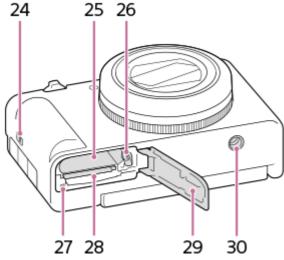


(**A**): Approx. 176° (**B**): Approx. 270°

- If you open the monitor from the closed position with the screen facing inwards, the camera will turn on.
- To choose whether or not the camera turns off when the monitor is closed with the screen facing inwards, select
 MENU → → (Setup) → [Power Setting Option] → [Power OFF w/ monitor].
- You may not be able to adjust the monitor angle depending on the type of a tripod you use. In such a case, release the tripod screw once to adjust the monitor angle.
- Do not apply excessive force when opening, closing, or rotating the monitor. Doing so may cause a malfunction.

14. (Microphone) jack

- When an external microphone is connected, the built-in microphone turns off automatically. When the external microphone is a plugin-power type, the power of the microphone is supplied by the camera.
- 15. USB Type-C terminal
- 16. HDMI micro jack
- 17. Wi-Fi/Bluetooth antenna (built-in)
- **18.** For shooting: Fn (Function) button For viewing: ★ (Send to Smartphone) button
- 19. MENU button
- 20. Control wheel
- 21. Center button
- 22. Playback) button
- 23. iii (Delete) button/ 2 (Product Showcase Set) button



- 24. Hook for strap
- 25. Battery insertion slot
- 26. Battery lock lever
- 27. Access lamp
- 28. Memory card slot
- 29. Battery/Memory card cover
- **30.** Tripod socket hole

Supports 1/4-20 UNC screws

• Use a tripod with a screw less than 5.5 mm (7/32 inches) long. Otherwise, you cannot firmly secure the camera, and damage to the camera may occur.

Using the wind screen (supplied)

Use the wind screen by attaching it to the Multi Interface Shoe to reduce wind noise picked up by the internal microphone when recording movies.



Note

When attaching the wind screen, make sure that the wind screen does not get caught in the Multi Interface Shoe.

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Help Guide

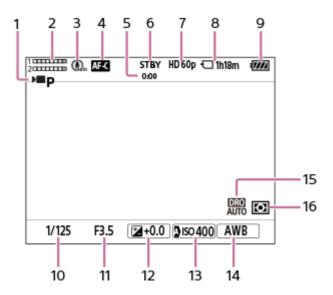
Digital Camera ZV-1M2

Basic icons displayed on the monitor

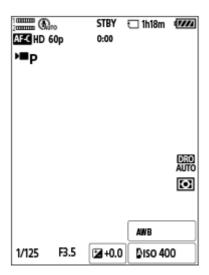
This section describes the screen display when the shooting mode is **P** (Program Auto).

- The following is an example of the display when [DISP (Screen Disp) Set] is set to [Display All Info.] and the touch function icons are hidden.
- The displayed content and positions are for reference only, and may differ from the actual display. Also, the displayed content may vary depending on the camera settings and the camera's system software (firmware) version.
- For information on how to show/hide the touch function icons and examples of the touch function icon display, refer to "Touch function icons."

During movie recording



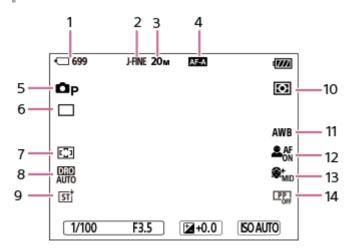
Display when holding the camera vertically



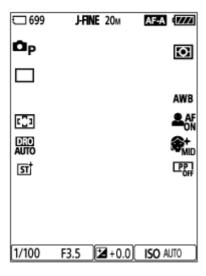
- 1. [Shoot Mode] is set to p [Program Auto].
- 2. Audio level
- 3. [Microphone Directivity] is set to [Auto].
- [Focus Mode] is set to [Continuous AF].
- 5. Actual shooting time of the movie

- 6. The camera is in the shooting standby mode.
- 7. [] File Format] is set to [XAVC S HD] and [Rec Frame Rate] is set to [60p].
- 8. Recordable movie time on the memory card
- 9. Remaining battery level
- 10. Shutter speed
- 11. Aperture value
- **12.** Exposure compensation
- 13. [🏰 ISO] is set to [ISO AUTO]. (The ISO value automatically set by the camera is displayed.)
- 14. [Salance] is set to [Auto].
- 15. [D-Range Optimizer: Auto] is selected.
- 16. [A Metering Mode] is set to [Multi].

During still image shooting



Display when holding the camera vertically



- 1. Number of still images that can be recorded on the memory card
- 2. [JPEG Quality] is set to [Fine].
- 3. [JPEG Image Size] is set to [L: 20M].
- 4. [Range Focus Mode] is set to [Automatic AF].
- 5. [Shoot Mode] is set to p [Program Auto].
- 6. [Drive Mode] is set to [Single Shooting].
- 7. [Range Focus Area] is set to [Wide].
- 8. [D-Range Optimizer: Auto] is selected.
- 9. [Creative Look] is set to [ST].
- 10. [A Metering Mode] is set to [Multi].
- 11. [A White Balance] is set to [Auto].
- 12. [Recognition Target] is set to [On] and [Recognition Target] is set to [Human].
- 13. [Soft Skin Effect] is set to [On: Mid].
- 14. [Picture Profile] is set to [Off].

Related Topic

- Touch function icons
- List of icons on the screen for shooting movies
- List of icons on the screen for shooting still images
- List of icons on the playback screen

TP1000940049

Help Guide

Digital Camera ZV-1M2

Touch function icons

Some functions have icons for touch operations (touch function icons). You can execute or change the settings of the functions by touching the icons.

Settings for using the touch function icons

- [Touch Operation]: [On]
- [Shooting Screen]:
 - Set [Shooting Screen] to [On].
 - [Swipe Right] or [Swipe Left] → desired setting.

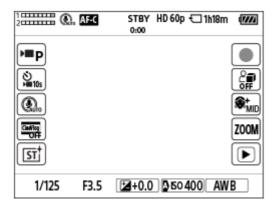
To show/hide the touch function icons

Swipe right or left on the shooting standby screen. The touch function icons will appear on the left and right sides of the screen according to the settings for [Swipe Right] and [Swipe Left] under [Shooting Screen].

To hide the touch function icons, swipe the screen in the opposite direction from when you made the icons appear.

Examples of the touch function icon display and functions of each icon

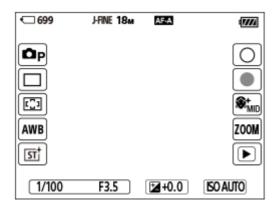
The examples show the display when you set the icons to appear on both the left and right sides. **During movie recording**



Icons on the left side: Mark Mode, Mark Self-timer, Mic Directivity Select, Cinematic Vlog Set., Creative Look* Icons on the right side: Starts recording movies, Product SC Set, Soft Skin Effect, Step Zoom, switches to the playback screen**

- * When the shooting mode is set to [Intelligent Auto], the icon changes to the 🕻 (image adjustment) setting icon.
- ** The shot mark button is displayed during movie recording so that shot marks can be set for the movie being recorded.

During still image shooting



Icons on the left side: Shoot Mode, Drive Mode, Focus Area, White Balance, Creative Look*
Icons on the right side: Shoots a still image, starts recording movies, Soft Skin Effect, Step Zoom, switches to the playback screen**

- * When the shooting mode is set to [Intelligent Auto], the icon changes to the 🕻 (image adjustment) setting icon.
- ** The shot mark button is displayed even during movie recording in the still image shooting mode so that shot marks can be set for the movie being recorded.

Hint

- When MENU → (Setup) → [Touch Operation] → [Playback Screen] is set to [On], the touch function icons on the playback screen are always displayed.
- If you set MENU → (Setup) → [Touch Operation] → [Shooting Screen] → [Icon When Monitor Flipped] to [Flip], you can set whether to switch the left and right icons on the shooting screen when the monitor is flipped.

Related Topic

- Shooting Screen
- Shoot Mode (still image)/Shoot Mode (movie)/Shoot Mode (S&Q)
- Self-timer (movie)
- Microphone Directivity
- Cinematic Vlog Set.
- Creative Look (still image/movie)
- Adjusting images in the auto mode (My Image Style)
- Shooting movies (Intelligent Auto)
- Product Showcase Set
- Soft Skin Effect (still image/movie)
- Step Zoom Magnif. (still image/movie)
- Playing back movies
- Drive Mode
- Selecting the focus area (Focus Area)
- White Balance (still image/movie)
- Shooting still images (Intelligent Auto)
- Playing back still images

TP1000952080

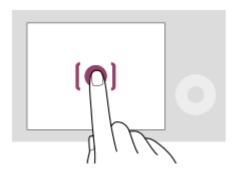
Help Guide

Digital Camera ZV-1M2

Touch panel

By touching the monitor, you can intuitively perform operations such as focusing on the shooting screen and operating the playback screen.

Touch operations (on the shooting screen)

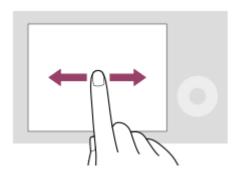


Touch the monitor to specify where to focus (Touch Focus).

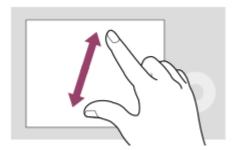
Touch a subject on the monitor to use the touch tracking function (Touch Tracking).

You can also focus on a subject and shoot images simply by touching the subject on the screen (Touch Shutter). When you touch the subject on the screen, the camera adjusts the brightness automatically according to the subject (Touch AE). [Touch AE] can also be used in combination with [Touch Focus], [Touch Tracking], or [Touch Shutter]. For information on how to switch the function activated by touch operation, refer to "Shooting Screen."

Touch operations (on the playback screen)



During single-image playback, swipe the screen to the left or right to move to the previous or next image.



During single-image playback, you can enlarge or reduce the displayed image by moving apart or bringing together two fingers on the screen (pinch-out/pinch-in).

- You can also double-tap the monitor to enlarge a still image or exit the enlarged image.
- During movie playback, you can start or pause playback using touch operations.

Hint

- You can also operate the camera by touching the guides displayed on the bottom of the screen (Except when in the [Intelligent Auto] mode).
- You can open the function menu by swiping upward quickly on the shooting screen. You can show and hide the icons for functions displayed on the left and right sides of the screen by swiping left and right quickly on the shooting screen.
- You can set whether to enable touch operations and configure detailed settings under [Shooting Screen], [Playback Screen], and [Menu Screen].

Related Topic

- Touch Operation
- Shooting Screen
- Playback Screen
- Menu Screen
- Touch function icons
- Focusing using touch operations (Touch Focus)
- Starting tracking with touch operations (Touch Tracking)
- Shooting with touch operations (Touch Shutter)
- Adjusting the exposure with touch operations (Touch AE)

TP1000828513

Help Guide

Digital Camera ZV-1M2

Touch function icons

Some functions have icons for touch operations (touch function icons). You can execute or change the settings of the functions by touching the icons.

Settings for using the touch function icons

- [Touch Operation]: [On]
- [Shooting Screen]:
 - Set [Shooting Screen] to [On].
 - [Swipe Right] or [Swipe Left] → desired setting.

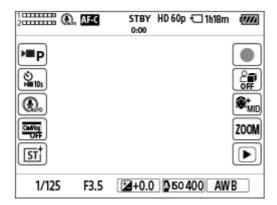
To show/hide the touch function icons

Swipe right or left on the shooting standby screen. The touch function icons will appear on the left and right sides of the screen according to the settings for [Swipe Right] and [Swipe Left] under [Shooting Screen].

To hide the touch function icons, swipe the screen in the opposite direction from when you made the icons appear.

Examples of the touch function icon display and functions of each icon

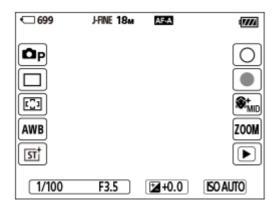
The examples show the display when you set the icons to appear on both the left and right sides. **During movie recording**



Icons on the left side: Mark Mode, Mark Self-timer, Mic Directivity Select, Cinematic Vlog Set., Creative Look* Icons on the right side: Starts recording movies, Product SC Set, Soft Skin Effect, Step Zoom, switches to the playback screen**

- * When the shooting mode is set to [Intelligent Auto], the icon changes to the 🕻 (image adjustment) setting icon.
- ** The shot mark button is displayed during movie recording so that shot marks can be set for the movie being recorded.

During still image shooting



Icons on the left side: Shoot Mode, Drive Mode, Focus Area, White Balance, Creative Look*
Icons on the right side: Shoots a still image, starts recording movies, Soft Skin Effect, Step Zoom, switches to the playback screen**

- * When the shooting mode is set to [Intelligent Auto], the icon changes to the 🕻 (image adjustment) setting icon.
- ** The shot mark button is displayed even during movie recording in the still image shooting mode so that shot marks can be set for the movie being recorded.

Hint

- When MENU → (Setup) → [Touch Operation] → [Playback Screen] is set to [On], the touch function icons on the playback screen are always displayed.
- If you set MENU → (Setup) → [Touch Operation] → [Shooting Screen] → [Icon When Monitor Flipped] to [Flip], you can set whether to switch the left and right icons on the shooting screen when the monitor is flipped.

Related Topic

- Shooting Screen
- Shoot Mode (still image)/Shoot Mode (movie)/Shoot Mode (S&Q)
- Self-timer (movie)
- Microphone Directivity
- Cinematic Vlog Set.
- Creative Look (still image/movie)
- Adjusting images in the auto mode (My Image Style)
- Shooting movies (Intelligent Auto)
- Product Showcase Set
- Soft Skin Effect (still image/movie)
- Step Zoom Magnif. (still image/movie)
- Playing back movies
- Drive Mode
- Selecting the focus area (Focus Area)
- White Balance (still image/movie)
- Shooting still images (Intelligent Auto)
- Playing back still images

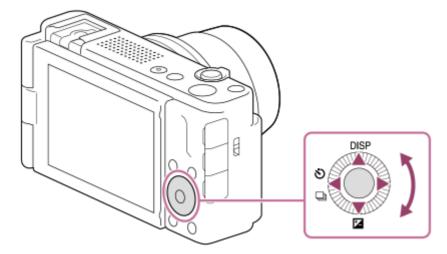
TP1000952080

Help Guide

Digital Camera ZV-1M2

Control wheel

On the menu screen or the screen displayed by pressing the Fn button, you can move the selection frame by turning the control wheel or by pressing the top/bottom/left/right side of the control wheel. Your selection is confirmed when you press the center of the control wheel.



- During playback, you can display the next/previous image by pressing the right/left side of the control wheel or by turning the control wheel.

Related Topic

- Assigning frequently used functions to buttons (Custom Key Setting)
- Vertical Display

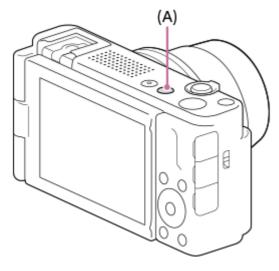
TP1000810695

Help Guide

Digital Camera ZV-1M2

Still/Movie/S&Q button

You can use the Still/Movie/S&Q button (A) to select a shooting mode.



Each time you press the Still/Movie/S&Q button, the shooting mode switches in the order of still image shooting mode, movie recording mode, and slow-motion/quick-motion recording mode.

Hint

The menu items displayed in the [Shooting], [Exposure/Color], and [Focus] tabs of the menu screen vary depending on the shooting mode (still image/movie/S&Q). Before you adjust these settings, select the desired shooting mode with the Still/Movie/S&Q button.

Related Topic

- MENU button
- Shooting movies (Intelligent Auto)
- Shooting still images (Intelligent Auto)
- S&Q Settings

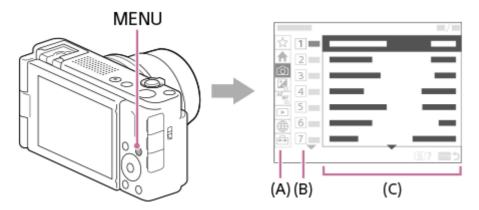
TP1000832005

Help Guide

Digital Camera ZV-1M2

MENU button

The menu screen is displayed by pressing the MENU button. You can change settings related to all of the camera operations including shooting and playback, or you can execute a function from the menu screen.



(A) Menu tab

Menu tabs are categorized by usage scenario, such as shooting, playback, network settings, etc.

(B) Menu group

In each tab, menu items are grouped by function.

The number assigned to the group is the serial number in the tab. Refer to the number to determine the location of the group in use.

(C) Menu item

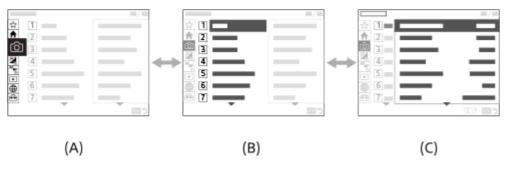
Select the function you want to set or execute.

Hint

- The name of the selected tab or group is displayed at the top of the screen.
- When [Touch Operation] is set to [On] and [Menu Screen] is set to [On], touch operations on the menu screen are possible.

Basic operations on the menu screen

- 1. Press the MENU button to display the menu screen.
- 2. Move within the menu tree and find the desired menu item by pressing the top/bottom/left/right side of the control wheel.
 - The displayed menu items differ between the still image shooting modes and movie recording modes.



- (A) Menu tabs
- (B) Menu groups
- (C) Menu items
- 3. Press the center of the control wheel to select the menu item.

The setting screen or execution screen for the selected item will appear on the monitor.

- 4. Select a parameter or execute the function.
 - If you want to cancel changing the parameter, press the MENU button and go back to the previous screen.
- Press the MENU button to exit the menu screen.You will return to the shooting screen or playback screen.

Hint

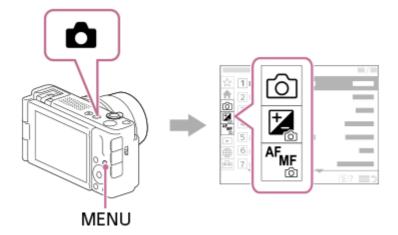
■ In the ♠ (Main) tab, you can view a list of the current shooting settings. Select a setting value in the tab to open the corresponding menu item and change the setting value.

Relationship between the shooting mode and menu screen

The menu groups and menu items displayed in the [Main], [Shooting], [Exposure/Color], and [Focus] tabs vary depending on the shooting mode.

Still image shooting modes

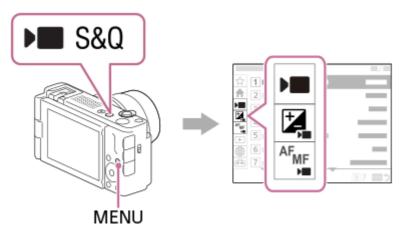
Menu items for shooting still images are displayed.*



* Since you can record movies with the MOVIE (Movie) button even in the still image shooting mode, some basic movie menu items are also displayed.

Movie recording modes/Slow-motion and quick-motion shooting modes

Menu items for recording movies are displayed.



Latest software notification badge



If newer camera software is available, a red notification badge will appear over the (Setup) tab, [Setup Option], and [Version] in the menu screen to notify you that an update is available (when the camera's system software (firmware) is Ver.2.00 or later).

Icons used in the "Help Guide"

- 🛕 🛌 📖 : Menu items displayed in the still image shooting modes
- ո 🛌 🔐 : Menu items displayed in the movie recording modes and slow-motion/quick-motion shooting modes
- Menu items displayed in any of the still image shooting modes, movie recording modes, or slow-motion/quick-motion shooting modes

Related Topic

- Add Item
- Display From My Menu
- Assigning frequently used functions to buttons (Custom Key Setting)
- Still/Movie/S&Q button
- Main menu (shooting setting list)

TP1000810693

Help Guide

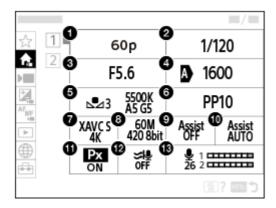
Digital Camera ZV-1M2

Main menu (shooting setting list)

Select the \spadesuit (Main) tab on the menu screen to display a list of shooting settings. You can confirm the settings before shooting or for each scene, and also change the settings directly from this screen.

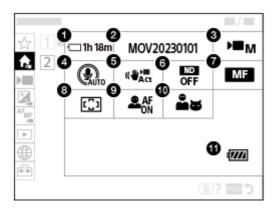
Main menu for shooting movies

Main 1



- 1. Rec Frame Rate/ S&Q Settings (when shooting slow-motion/quick-motion movies)
- 2. Shutter Speed
- 3. Aperture
- **4.** ISO
- 5. White Balance
- 6. Picture Profile
- 7. File Format
- 8. Record Setting/ S&O Record Setting (when shooting slow-motion/quick-motion movies)
- 9. Gamma Display Assist
- 10. Gamma Disp. Assist Typ.
- 11. Px Proxy Recording
- 12. Wind Noise Reduct.
- 13. Audio Rec Level

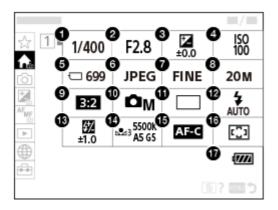
Main 2



- 1. Format
- 2. File Settings
- 3. Shoot Mode
- 4. Microphone Directivity
- 5. SteadyShot
- 6. RND Filter
- 7. Rapide Focus Mode
- 8. 🧣 Focus Area
- 9. 🧣 Subject Recog in AF
- 10. Recognition Target
- 11. Remaining battery level

Main menu for shooting still images

Main 1



- 1. Shutter Speed *
- 2. Aperture *
- 3. Exposure Comp.
- **4.** ISO
- 5. Format
- 6. file Format

- 7. JPEG Quality
- 8. JPEG Image Size
- 9. Aspect Ratio
- 11. Drive Mode
- 12. Flash Mode
- 13. Flash Comp.
- 14. White Balance
- 15. Focus Mode
- 16. 🧣 Focus Area

17. Remaining battery level

* When the shooting mode is [Program Auto], the shutter speed and aperture value are displayed in the same area. You can perform Program Shift by selecting the area.

Hint

- If you assign the [Display Main Menu] function to the desired key using the custom key settings, you can also open the Main menu by pressing the assigned key.
- You can open the setting screens by touching the icons on the main menu when [Touch Operation] is set to [On] and [Menu Screen] is set to [On].

Related Topic

- MENU button
- Assigning frequently used functions to buttons (Custom Key Setting)
- Touch Operation
- Menu Screen

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Help Guide

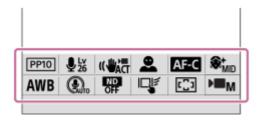
Digital Camera ZV-1M2

Fn (function) button

If you press the Fn (function) button during shooting, a menu containing frequently used functions such as the audio recording level and focus mode will appear on the screen (function menu). This allows you to access functions quickly.

Example of function menu

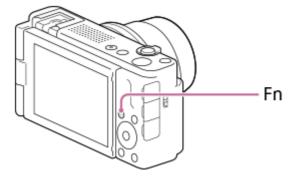
The displayed items differ depending on the camera status.



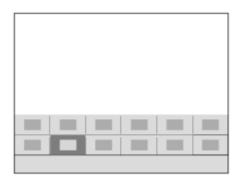
Hint

- Use MENU → (Setup) → [Operation Customize] →[Fn Menu Settings] to register your favorite functions in the function menu. You can register 12 functions for shooting still images and 12 functions for shooting movies separately.
- When [Touch Operation] is set to [On] and [Shooting Screen] is set to [On], touch operations on the function menu screen are possible.
- When [Touch Operation] is set to [On] and [Shooting Screen] is set to [On], you can also open [Fn Menu Settings] by holding down the icon in the function menu.
- When [Swipe Up] under [Shooting Screen] is set to [Open the Fn Menu], the function menu can be displayed using touch operations by swiping the shooting screen upward quickly.
- Swipe downward from the area outside of the function menu or touch the area outside of the function menu to close the function menu.

1 Press the Fn (Function) button.



Press the top/bottom/left/right side of the control wheel to select a function to set.

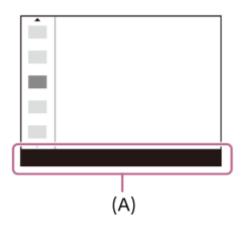




3 Select the desired setting by turning the control wheel, and press the center of the control wheel.

To adjust settings from the dedicated setting screens

Select the icon for the desired function and then press the center of the control wheel. The dedicated setting screen for the function will appear. Follow the operating guide (A) to adjust settings.



Related Topic

- Fn Menu Settings
- DISP (Display Setting) button
- Touch Operation
- Shooting Screen

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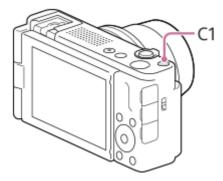
Help Guide

Digital Camera ZV-1M2

C (custom) buttons

If you assign frequently used functions to the custom button (C1) in advance, you can quickly call up those functions simply by pressing the button during shooting or playback.

Recommended functions are assigned to the custom buttons by default.



To check/change the functions of the custom buttons

You can confirm the function currently assigned to each custom button via the following procedure.

 $MENU \rightarrow \bigoplus$ (Setup) \rightarrow [Operation Customize] \rightarrow [\bigoplus Custom Key Setting], [\blacktriangleright Custom Key Setting] or [\blacktriangleright Custom Key Setting].

If you want to change the function of the custom button, press the center of the control wheel while the custom button is selected. The functions that can be assigned to that button will appear. Select your desired function.

Related Topic

Assigning frequently used functions to buttons (Custom Key Setting)

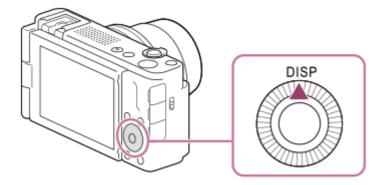
TP1000828512

Help Guide

Digital Camera ZV-1M2

DISP (Display Setting) button

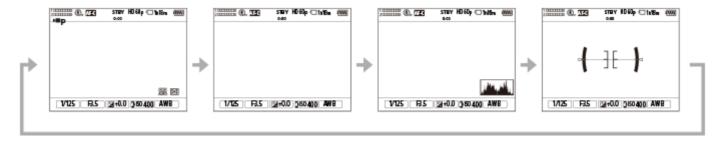
By pressing the DISP (Display Setting) button, you can change the content displayed on the screen during shooting and playback. The display switches each time the DISP button is pressed.



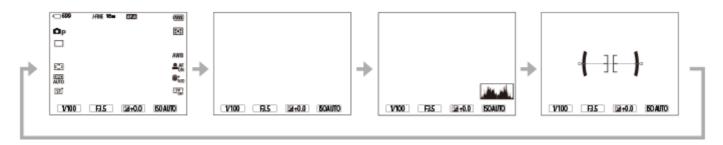
During shooting

 ${\sf Display\,All\,\,Info.} \to {\sf No\,\,Disp.\,\,Info.} \to {\sf Histogram} \to {\sf Level} \to {\sf Display\,\,All\,\,Info.}$

When shooting movies:

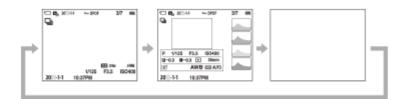


When shooting still images:



During playback

Display Info. \rightarrow Histogram \rightarrow No Disp. Info. \rightarrow Display Info.



- If the image has an overexposed or underexposed area, the corresponding section will blink on the histogram display (overexposed/underexposed warning).
- The settings for playback are also applied in [Auto Review].

Hint

If [Vertical Display] is set to [On], the information display will rotate vertically to fit the orientation of the camera when you hold the camera vertically in the shooting mode (when the camera's system software (firmware) is Ver.2.00 or later).

Note

• The displayed contents and their position shown in the illustration are just a guideline, and may differ from the actual display.

Related Topic

- DISP (Screen Disp) Set
- Vertical Display

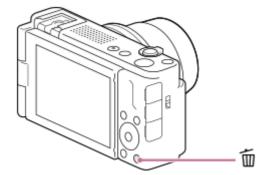
TP1000828528

Help Guide

Digital Camera ZV-1M2

Delete button

You can delete an image currently being displayed by pressing the im (Delete) button.



- When a confirmation message appears after you press the (Delete) button, use the control wheel to select [Delete] and press the center.

Hint

- If you set MENU → ▶ (Playback) → [Delete] → [Delete pressing twice] to [On], you can delete images by pressing the (Delete) button twice in a row.
- Other than the single-image playback screen, you can also use the fig (Delete) button for the following operations.
 - Custom Key
 - In-Camera Guide

Related Topic

- Deleting multiple selected images (Delete)
- Delete confirm.
- Delete pressing twice
- C (custom) buttons
- In-Camera Guide

TP1000787252

Help Guide

Digital Camera ZV-1M2

Keyboard screen

When manual character entry is required, a keyboard is displayed on the screen. For examples of functions that use the keyboard, see "Related Topic" at the bottom of this page.



1. Input box

The characters you entered are displayed.

2. Switch character types

Each time you press this key, the character type will switch between alphabet letters, numerals and symbols.

3. Keyboard

Each time you press this key, the characters corresponding to that key will be displayed one-by-one in order. To switch letters from lower to upper case, press \(\bigsup \) (Up arrow).

4. **(**Left arrow)

Moves the cursor in the input box to the left.

5. (Right arrow)

Moves the cursor in the input box to the right. This key is also used to finalize the input of a character being edited and move to the next character.

6. (Delete)

Deletes the character preceding the cursor.

7. ♠ (Up arrow)

Switches a letter to upper or lower case.

8. **—** (Space)

Enters a space.

9. OK

Press this key after entering characters to finalize the entered characters.

The procedure for entering alphabetic characters is explained below.

Use the control wheel to move the cursor to the desired key.

- Each time you press the center of the control wheel, the characters will change.
- To switch the letter to upper or lower case, press (Up arrow).

When the character that you want to enter appears, press - (Right arrow) to confirm the character.

- Make sure to confirm one character at a time. Unless a character is confirmed, you cannot enter the next character.
- Even if you do not press (Right arrow), the entered character will be automatically confirmed after several seconds.
- After you finish entering all characters, press [OK] to finalize the entered characters.

Related Topic

Edit Device Name

To cancel input, select [Cancel].

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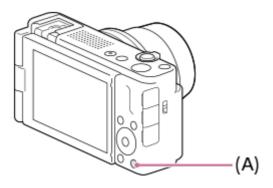
Help Guide

Digital Camera ZV-1M2

In-Camera Guide

The [In-Camera Guide] displays descriptions of MENU items, Fn (Function) items, and settings.

Select the MENU or Fn item for which you want to see a description, and then press the 🛗 (Delete) button (A).



The descriptions of the item are displayed.

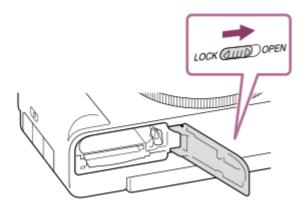
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Help Guide

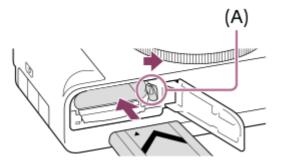
Digital Camera ZV-1M2

Inserting/removing the battery pack

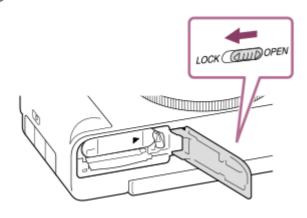
1 Slide the switch on the battery/memory card cover to open the cover.



Insert the battery pack while pressing the lock lever (A) with the tip of the battery until the battery locks into place.

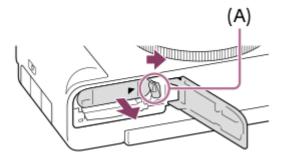


Close the cover and slide the switch to the LOCK side.



To remove the battery pack

Make sure that the access lamp is not lit, and turn off the camera. Then, slide the lock lever (A) and remove the battery pack. Be careful not to drop the battery pack.



Related Topic

- Charging the battery with a commercially available AC adaptor or mobile battery
- Notes on the battery pack and charging the battery

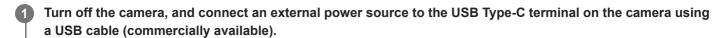
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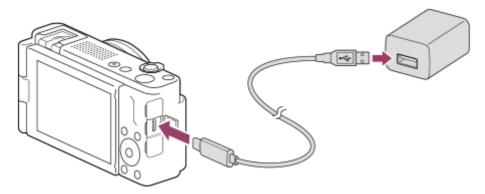
Help Guide

Digital Camera ZV-1M2

Charging the battery with a commercially available AC adaptor or mobile battery

You can use a USB cable (commercially available) to charge from an external power source, such as a USB AC adaptor or mobile battery.





Charge lamp on the camera (orange)

Lit: Charging

Off: Charging finished

Flashing: Charging error or charging paused temporarily because the camera is not within the proper temperature range

- Charging time (Full charge): The charging time is approximately 150 min. (when using an AC adaptor with a rated output of 1.5 A).
- The above charging time applies when charging a fully depleted battery pack at a temperature of 25 °C (77 °F).
 Charging may take longer depending on conditions of use and circumstances.
- The charge lamp turns off when charging is completed.
- If the charge lamp lights up and then immediately turns off, the battery pack is fully charged.

Note

- When you use an AC adaptor, use one with a rated output of 1.5 A or higher.
- Use a nearby wall outlet (wall socket) when using the AC Adaptor/Battery Charger. If any malfunction occurs, disconnect the plug from the wall outlet (wall socket) immediately to disconnect from the power source. If you use the product with a charge lamp, note that the product is not disconnected from the power source even when the lamp turns off.
- If you turn on the camera, power will be supplied from the wall outlet (wall socket) and you will be able to operate the camera.
 However, the battery pack will not be charged.
- If the product is connected to a laptop computer that is not connected to a power source, the laptop battery level decreases. Do not leave the product connected to a laptop computer for an extended period of time.
- Do not turn on/off or restart the computer, or wake the computer from sleep mode when a USB connection has been established between the computer and the camera. Doing so may cause a malfunction. Before turning on/off or restarting the computer, or waking the computer from sleep mode, disconnect the camera from the computer.
- Charging cannot be guaranteed with a custom-built computer, modified computer, or a computer connected through a USB hub.
- The camera may not operate correctly when other USB devices are used at the same time.

Before charging, be sure to also read "Notes on the battery pack and charging the battery."

Related Topic

- Inserting/removing the battery pack
- Notes on the battery pack and charging the battery

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Help Guide

Digital Camera ZV-1M2

Using the battery charger abroad

You can use the battery charger (sold separately) in any country or region where the power supply is within 100 V to 240 V AC and 50 Hz/60 Hz.

Depending on the country/region, a converting plug adaptor may be needed to connect to a wall outlet (wall socket). Consult a travel agency, etc., and prepare one in advance.

Note

Do not use an electronic voltage transformer as doing so may cause a malfunction.

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Help Guide

Digital Camera ZV-1M2

Supplying power from a wall outlet (wall socket)

Use an AC adaptor, etc. to shoot and play back images while power is supplied from a wall outlet (wall socket). This conserves the camera's battery power.

- Insert a sufficiently charged battery pack into the camera.
 - The camera will not activate if there is no remaining battery. Insert a sufficiently charged battery pack into the camera.
- **2** Connect a USB cable (commercially available) to the USB Type-C terminal on the camera.
- Connect to a wall outlet (wall socket) using an AC adaptor, etc.
- Turn on the camera.
 - An icon (♥) indicating USB power supply will appear next to the battery display on the monitor, and power supply will start.

Note

- As long as the power is on, the battery pack will not be charged even if the camera is connected to the AC Adaptor, etc.
- Under certain conditions, power may be supplied from the battery pack supplementarily even if you are using the AC adaptor, etc.
- Do not remove the battery pack while power is supplied from a wall outlet (wall socket). If you remove the battery pack, the camera will be turned off.
- Only connect the USB cable to the camera or disconnect the USB cable from the camera while the camera is turned off.
- Depending on the camera and battery temperature, the continuous recording time may be shortened while power is supplied from a wall outlet (wall socket). The area around the terminal may become hot. Be careful when handling it.
- When using a mobile charger as a power source, confirm that it is fully charged before use. Also, be careful of the remaining power on the mobile charger during use.
- Operation cannot be guaranteed with all external power supplies.

Related Topic

Inserting/removing the battery pack

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Help Guide

Digital Camera ZV-1M2

Memory cards that can be used

This camera supports SD memory cards and Memory Stick media.

When using microSD memory cards or Memory Stick Micro media with this camera, be sure to use the appropriate adaptor.

For still-image shooting

The following memory cards can be used.

- SD/SDHC/SDXC memory cards
- Memory Stick PRO Duo/Memory Stick PRO-HG Duo media

For movie recording

Movie recording formats and compatible memory cards are as follows. Slow-motion and quick-motion movie shooting are not available with [XAVC S 4K].

File Format	Supported memory card
XAVC S 4K 60Mbps*	 SDHC/SDXC card (Class 10, or U1 or faster) Memory Stick PRO-HG Duo
XAVC S HD 50Mbps or lower*	 SDHC/SDXC card (Class 10, or U1 or faster) Memory Stick PRO-HG Duo
XAVC S HD 60Mbps	 SDHC/SDXC card (Class 10, or U1 or faster) Memory Stick PRO-HG Duo
XAVC S 4K 100Mbps*	SDHC/SDXC card (U3)
XAVC S HD 100Mbps	SDHC/SDXC card (U3)

^{*} Including when recording proxy movies at the same time

Note

- When an SDHC memory card is used to record an XAVC S movie over extended periods of time, the recorded movies will be divided into files 4 GB in size.
- Charge the battery pack sufficiently before attempting to recover the database files on the memory card.

Related Topic

- Notes on memory card
- Number of recordable images
- Recordable movie times
- S&Q Settings

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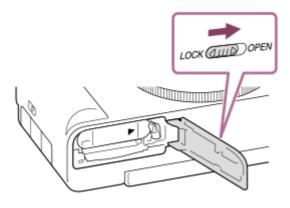
Help Guide

Digital Camera ZV-1M2

Inserting/removing a memory card

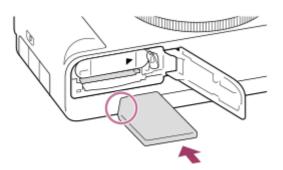
Explains how to insert a memory card (sold separately) to the camera. You can use SD memory cards and Memory Stick media with this camera.

Slide the switch on the battery/memory card cover to open the cover.

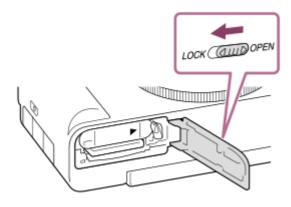


2 Insert the memory card.

• With the notched corner facing in the direction illustrated, insert the memory card until it clicks into place. Insert the memory card correctly. Not doing so may cause a malfunction.



3 Close the cover, and then slide the switch towards the LOCK side.

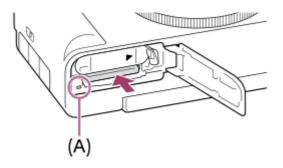


Hint

When you use a memory card with the camera for the first time, it is recommended that you format the card on the camera for more stable performance of the memory card.

To remove the memory card

Open the memory card cover and make sure that the access lamp (A) is not lit, then push in the memory card lightly once to remove it.



Related Topic

- Memory cards that can be used
- Notes on memory card
- Format

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Help Guide

Digital Camera ZV-1M2

Performing initial setup for the camera

By establishing a Bluetooth connection (pairing) between the camera and a smartphone and using the smartphone application Creators' App, you can perform initial camera settings such as date and time settings from the smartphone. Install Creators' App from your smartphone's application store. If the application is already installed, be sure to update it to the latest version.

You can also install Creators' App by scanning the QR Code displayed on the screen of the camera using your smartphone.

For details on Creators' App, refer to the following website.

https://www.sony.net/ca/

- 1 Press the ON/OFF (Power) button to turn on the camera.
- Select the desired language and then press the center of the control wheel.
 - The privacy notice screen will appear. Read the privacy notice regarding biometrics by opening the link using your smartphone, etc.
- Press the center of the control wheel.
- 4 Follow the instructions on the camera screen to connect the camera with your smartphone.
 - Launch Creators' App on your smartphone to connect the camera with your smartphone.
 - If you do not connect a smartphone, the area/date/time setting screen will appear.
 - To connect your smartphone to the camera after the initial setup, select MENU → (Network) → [□ Cnct./PC Remote] → [Smartphone Connection].
- 5 Perform initial camera setup on the Creators' App screen.
 - Follow the instructions on the screen to set the following items.
 - Date and time / Display format
 - Auto Power OFF Temp.
 - Device name

You can change these settings later from the camera menu.

On maintaining the date and time

This camera has an internal rechargeable backup battery for maintaining the date and time and other settings regardless of whether the power is turned on or off, or whether the battery pack is charged or discharged.

To charge the internal backup battery, insert a charged battery pack into the camera, and leave the product for 24 hours or more with the power turned off.

If the clock resets every time the battery pack is charged, the internal rechargeable backup battery may be worn out. Consult your service facility.

Hint

By connecting the camera and a smartphone via the Bluetooth function, you can operate the camera using the smartphone and transfer images from the camera to the smartphone.

Note

- If the date and time setting is canceled halfway, the setting screen for the date and time appears every time you turn on the camera.
- The built-in clock of the camera may exhibit time errors. Adjust the time at regular intervals.
- When establishing a Bluetooth connection, only pair with trusted devices. Avoid unsolicited pairing requests or connections to unknown devices.
- Turn off the Bluetooth function when not in use.
- Check your paired devices regularly and delete any unnecessary ones.

Related Topic

- Pairing the camera with a smartphone (Smartphone Connection)
- Area/Date/Time Setting
- Auto Power OFF Temp.
- Edit Device Name
- Privacy Notice

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Help Guide

Digital Camera ZV-1M2

Confirmation before shooting

This section introduces useful settings and functions that you should know when using the camera. We recommend that you confirm these settings and functions before using the camera.

From each item name listed below, you can jump to the page explaining the respective functions.

Preparing a memory card for use with this camera

- Format
- Recover Image DB (still image/movie)

Preventing accidental failure to insert a memory card

Release w/o Card

Setting whether camera operating sounds are generated

Audio signals

Convenient functions for shooting self-portrait videos and vlogs

- Product Showcase Set
- Background Defocus
- Cinematic Vlog Set.
- Microphone Directivity

Making it easy to check whether the camera is on standby or recording when set to a movie mode

Emphasized REC Display

Resetting shooting settings or resetting all camera settings

Setting Reset

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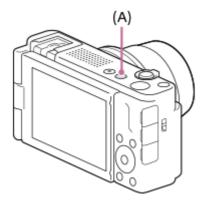
Help Guide

Digital Camera ZV-1M2

Shooting movies (Intelligent Auto)

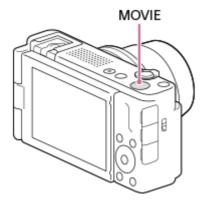
This section describes how to record movies in the [Intelligent Auto] mode. In the [Intelligent Auto] mode, the camera automatically focuses and automatically determines the exposure based on the recording conditions.

Press the Still/Movie/S&Q button (A) to select the movie recording mode.



- Each time you press the button, the shooting mode switches in the order of still image shooting mode, movie recording mode, and slow-motion/quick-motion recording mode.
- MENU → ► (Shooting) → [Shooting Mode] → [▶ Shoot Mode] → [Intelligent Auto].

 The shooting mode will be set to i (Intelligent Auto).
- 3 Press the MOVIE (Movie) button to start recording.



4 Press the MOVIE button again to stop recording.

To shoot with the touch function icons

You can also start shooting by touching an icon on the screen instead of pressing the MOVIE (movie) button. Swipe the monitor left or right to display the touch function icons, and then touch the (start recording) icon. You can view the captured image by touching the (switch to playback screen) icon.

For details on how to display the touch function icons, see "Touch function icons."

To adjust the image brightness, color tone, etc. (🌣 My Image Style)

For details, refer to "Adjusting images in the auto mode (My Image Style)."

To select the recording format () File Format)

The resolution and degree of compatibility vary depending on the recording format (XAVC S 4K/XAVC S HD). Select the format in accordance with the purpose of the movie to be shot.

To select the frame rate or image quality () Movie Settings)

The frame rate determines the smoothness of motion in movies. ([▶ Movie Settings] → [Rec Frame Rate])

The image quality changes with the bit rate. ([▶ Movie Settings] → [Record Setting])

If the bit rate is high, the amount of information will increase and you can shoot high-quality movies. However, this will result in a larger volume of data.

Select the frame rate and bit rate according to your preference and purpose.

To adjust the exposure () Shoot Mode)

You can select the exposure mode in [] Shoot Mode]. Select the exposure mode through the combination of a shutter speed and aperture value.

Also, if you enable [Touch AE] under [Touch Func. in Shooting], you can adjust the exposure to the touched area.

To select the focusing method (🧣 Focus Mode/ 😘 Focus Area)

Select AF-C (Continuous AF) or MF (Manual Focus) for [Pa Focus Mode]. You can specify the focus area by setting [Pa Focus Area].

Hint

- You can also assign the start/stop movie recording function to a preferred key.
- You can change the settings for ISO sensitivity, exposure compensation, and focus area while shooting movies.
- The sounds of the camera and lens in operation may be recorded during movie shooting. To prevent sounds from being recorded, set [Audio Recording] to [Off].
- When [Auto Power OFF Temp.] is set to [High], the camera can continue movie recording even when the temperature of the camera becomes high.

Note

- An icon indicating that data is being written is displayed after shooting. Do not remove the memory card while the icon is displayed.
- You cannot start recording a movie while writing data. Wait until data writing is completed and "STBY" is displayed before recording a movie.
- If the [(Overheating warning) icon appears, the temperature of the camera has risen. Turn the power off and cool the camera and wait until the camera is ready to shoot again.
- The temperature of the camera tends to rise when shooting movies continuously, and you may feel that the camera is warm. This is not a malfunction. Also, [Internal temp. high. Allow it to cool.] may appear. In such cases, turn the power off and cool the camera and wait until the camera is ready to shoot again.
- For the continuous shooting time of a movie recording, refer to "Recordable movie times." When movie recording is finished, you can record another movie by pressing the MOVIE button again. Recording may stop to protect the product, depending on the temperature of the product or the battery.
- Still images cannot be captured during movie recording.

Related Topic

- Touch function icons
- Adjusting images in the auto mode (My Image Style)
- File Format (movie)
- Movie Settings (movie)
- Selecting the focus method (Focus Mode)
- Selecting the focus area (Focus Area)
- Assigning frequently used functions to buttons (Custom Key Setting)
- REC w/ Shutter (movie)
- Audio Recording
- Auto Power OFF Temp.
- Recordable movie times

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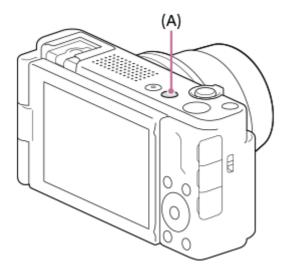
Help Guide

Digital Camera ZV-1M2

Shooting still images (Intelligent Auto)

This section describes how to shoot still images in the [Intelligent Auto] mode. In the [Intelligent Auto] mode, the camera automatically focuses and automatically determines the exposure based on the shooting conditions.

Press the Still/Movie/S&Q button (A) to select the still image shooting mode.

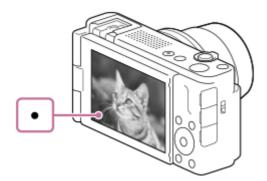


- Each time you press the button, the shooting mode switches in the order of still image shooting mode, movie recording mode, and slow-motion/quick-motion recording mode.

The shooting mode will be set to in (Intelligent Auto).

- 3 Adjust the monitor angle, and hold the camera.
- 4 Enlarge images with the W/T (zoom) lever when shooting.
- 5 Press the shutter button halfway down to focus.

When the image is in focus, a beep sounds and the indicator (, etc.) lights up.



The shortest shooting distance is approximately 5 cm (0,16 ft.) (W), 15 cm (0,49 ft.) (T) (from the lens).

6 Press the shutter button fully down.

To shoot with the touch function icons

You can also shoot by touching an icon on the screen instead of pressing the shutter button. Swipe the monitor left or right to display the touch function icons, and then touch the (shutter) icon. You can view the captured image by touching the (switch to playback screen) icon.

For details on how to display the touch function icons, see "Touch function icons."

To adjust the image brightness, color tone, etc. (🌣 My Image Style)

For details, refer to "Adjusting images in the auto mode (My Image Style)."

To select the focus mode yourself (🧣 Focus Mode / 😘 Focus Area)

Specifying [Facus Mode], such as selecting AF-S (Single-shot AF) for landscapes or still subjects and selecting AF-C (Continuous AF) for moving subjects, makes it easier to focus on the desired subject. You can also specify the focus position and range using [Facus Area].

Shooting while focusing on human eyes

The [Subject Recog in AF] function under [Subject Recognition] is enabled in the default settings, so you can use the Eye AF function immediately.

To shoot images with the focus locked on the desired subject (Focus-lock)

When you focus on the subject, the focus is locked while the shutter button is pressed halfway down. Switch to the desired composition and press the shutter button all the way down to take the picture.

- You can lock the focus on non-moving subjects. Set [Focus Mode] to AF-S (Single-shot AF).
- Setting [Representation For Proceedings of the Service For Procedure For

Hint

When the product cannot focus automatically, the focus indicator flashes and the beep does not sound. Either recompose the shot or change the focus mode or focus area settings. In [Continuous AF] mode, (focus indicator) lights up and the beep indicating that the focus has been achieved does not sound.

Note

An icon indicating that data is being written is displayed after shooting. Do not remove the memory card while the icon is displayed. Doing so will prevent images from being recorded normally.

Related Topic

- Touch function icons
- Adjusting images in the auto mode (My Image Style)
- Selecting the focus method (Focus Mode)
- Selecting the focus area (Focus Area)
- Playing back still images
- Auto Review (still image)

Help Guide

Digital Camera ZV-1M2

Finding functions from MENU

The displayed MENU items vary depending on the shooting mode. In the table below, the modes in which each MENU item is displayed are indicated by the still image/movie/S&Q icons.



- 🖂 📖 : The menu item is displayed when the shooting mode is set to the still image shooting modes (A). sko : The menu item is displayed when the shooting mode is set to the movie recording modes (B).
- [Sko : The menu item is displayed when the shooting mode is set to either the still image shooting modes (A) or the movie recording modes (B).

(Main) tab

Shooting settings are displayed in a list. For details, refer to "Main menu (shooting setting list)."

(Shooting) tab

Groups	№ \$&Q	Menu items
	△ >■ \$&Q	★ File Format
	► S&Q	JPEG Quality
	△ >■ S&Q	JPEG Image Size
	△ >■ S&Q	Aspect Ratio
Imaga Quality/Pag	№ S&Q	▶ File Format
Image Quality/Rec	№ S&Q	▶ Movie Settings
	▶■ \$&Q	S&Q S&Q Settings
	▶■ \$&Q	Px Proxy Settings
	△ >■ \$&Q	High ISO NR
	△ >■ \$&Q	Color Space
Media	№ \$&Q	Format
	№ \$&Q	Recover Image DB
	№ S&Q	Pa Display Media Info.

Groups	№ \$&Q	Menu items
	△ >■ \$&Q	File/Folder Settings
	△ >■ \$&Q	Select REC Folder
File	△ >■ \$&Q	Create New Folder
	№ \$&Q	H Write Serial Number
	▶■ \$&Q	File Settings
	△ >■ \$&Q	♣ Shoot Mode
Shooting Mode	№ S&Q	▶ Shoot Mode
Shooting wode	№ S&Q	S&Q Shoot Mode
	№ S&Q	MR Camera Set. Memory
	△ >■ S&Q	Drive Mode
Drive Mode	► S&Q	Bracket Settings
	△ >■ S&Q	Interval Shoot Func.
Shutter/Silent	№ S&Q	Silent Mode
Shutter/Sherit	► S&Q	Release w/o Card
	S&Q	Audio Recording
	S&Q	Audio Rec Level
Audio Recording	S&Q	Wind Noise Reduct.
	S&Q	Microphone Directivity
	S&Q	Mic Direct Select Setting
	▶■ \$&Q	Time Code Preset
	▶ ■ S&Q	User Bit Preset
TC/UB	▶■ \$&Q	Time Code Format
TC/UB	▶■ \$&Q	Time Code Run
	▶■ \$&Q	Time Code Make
	▶■ \$&Q	User Bit Time Rec
Image Stabilization	▶■ \$&Q	▶ SteadyShot
Zoom	№ S&Q	Range Zoom Range
	№ S&Q	Zoom Speed
	№ \$&Q	Step Zoom Magnif.

Groups	△ >■ S&Q	Menu items
	№ S&Q	Grid Line Display
Shooting Display	№ S&Q	Grid Line Type
Shooting Display	▶ \$&Q	Live View Display
	▶■ S&Q	Emphasized REC Display
Marker Display	▶ ■ S&Q	Marker Display
	▶ ■ \$&Q	Center Marker
	▶ ■ S&Q	Aspect Marker
	▶ ■ S&Q	Safety Zone
	▶ ■ S&Q	Guideframe
Shooting Option	№ S&Q	Product SC Set
	▶■ \$&Q	Cinematic Vlog Set.
	S&Q S&Q	▶ Self-timer

(Exposure/Color) tab

Groups	№ S&Q	Menu items
	▶■ \$&Q	Auto Slow Shutter
Exposure	№ S&Q	% ISO
Exposure	S&Q ►■ S&Q	ISO AUTO Min. SS
	№ S&Q	ND Filter
Exposure Comp.	№ S&Q	Raman Exposure Comp.
Metering	№ S&Q	Metering Mode
ivietering	№ S&Q	Race Priority in Multi Metering
	► S&Q	Flash Mode
Flash	S&Q ►■	Flash Comp.
	► S&Q	Exp.comp.set
	№ S&Q	White Balance
White Balance	№ S&Q	Priority Set in AWB
	▶■ S&Q	Shutter AWB Lock
	№ S&Q	♀ D-Range Optimizer
Color/Tone	▶■ \$&Q	Creative Look
	▶■ \$&Q	Picture Profile
	№ S&Q	Soft Skin Effect

Groups	№ S&Q	Menu items
Zebra Display	№ S&Q	Rama Zebra Display
Zebia Display	▶■ \$&Q	Range Zebra Level

AF_{MF} (Focus) tab

Groups	№ S&Q	Menu items
	№ \$&Q	₽ Focus Mode
	△ >■ S&Q	Pre-AF
AF/MF	▶ ■ S&Q	AF Transition Speed
	▶ ■ S&Q	AF Subj. Shift Sensitivity
	▶ ■ S&Q	Set Focus
	№ S&Q	n Focus Area
	▶ S&Q	n Focus Area Limit €
	№ S&Q	n Focus Area Color
Focus Area	► S&Q	AF Area Auto Clear
	S&Q ►■	AF-C Area Display
	△ >■ S&Q	Phase Detect. Area
	▶ \$&Q	Circ. of Focus Point
	▶ \$&Q	Subject Recog in AF
	№ \$&Q	Recognition Target
Subject Recognition	▶ S&Q	Right/Left Eye Select
Subject Recognition	▶ \$&Q	Sbj Recog Frm Disp.
	▶ ■ \$&Q	Face Memory
	▶ S&Q	Regist. Faces Priority
	▶ ■ \$&Q	Auto Magnifier in MF
	▶ ■ \$&Q	Focus Magnifier
Focus Assistant	▶ ■ \$&Q	♣ Focus Magnif. Time
	△ >■ \$&Q	Initial Focus Mag.
	▶■ S&Q	▶■ Initial Focus Mag.
	▶■ \$&Q	Peaking Display
Peaking Display	▶ ■ \$&Q	Peaking Level
	△ >■ S&Q	Peaking Color

► (Playback) tab

Groups	№ \$&Q	Menu items
Playback Target	△ >■ S&Q	View Mode
	△ >■ S&Q	⊕ Enlarge Image
Magnification	№ \$&Q	⊕ Enlarge Initial Mag.
	№ \$&Q	⊕ Enlarge Initial Position
	№ \$&Q	Protect
Selection/Memo	№ \$&Q	Rating
	№ \$&Q	Rating Set(Custom Key)
	△ >■ S&Q	Delete
Delete	№ \$&Q	Delete pressing twice
	△ >■ S&Q	Delete confirm.
Edit	№ \$&Q	Rotate
Euit	№ \$&Q	Photo Capture
	№ \$&Q	Cont. Play for 🙌 Interval
Viewing	№ S&Q	Play Speed for 🚺 Interval
	№ S&Q	Slide Show
Playback Option	№ S&Q	Image Index
	№ \$&Q	Display as Group
	△ >■ \$&Q	Display Rotation
	△ >■ S&Q	Disp Specified Time Img.

(Network) tab

Groups	№ S&Q	Menu items
	▶■ S&Q	Smartphone Connection
	▶ ■ S&Q	▲ Select on Cam & Send
Cnct./PC Remote	№ S&Q	Reset Transfer Status
	▶ ■ S&Q	Cnct. while Power OFF
	▶ ■ S&Q	Remote Shoot Setting
Creators' Cloud	№ S&Q	Cloud Initial Setting
	№ S&Q	Cloud Connection
	№ S&Q	Cloud Information

Groups	△ ► S&Q	Menu items
	№ S&Q	WPS Push
 Wi-Fi	▶■ S&Q	Access Point Set.
VVI-1 1	▶■ S&Q	Display Wi-Fi Info.
	▶■ S&Q	SSID/PW Reset
	▶■ S&Q	Bluetooth Function
	▶■ S&Q	Pairing
Bluetooth	▶■ S&Q	Manage Paired Device
	▶■ S&Q	Bluetooth Rmt Ctrl
	▶■ S&Q	Disp Device Address
	№ S&Q	Airplane Mode
Network Option	№ S&Q	Edit Device Name
	▶■ S&Q	Import Root Certificate
	№ S&Q	Wi-Fi Direct Settings
	№ S&Q	Reset Network Set.

(Setup) tab

Groups	№ S&Q	Menu items
	№ S&Q	A Language
Area/Date	№ S&Q	Area/Date/Time Setting
	№ S&Q	NTSC/PAL Selector
Reset Settings	S&Q	Setting Reset
	▶■ \$&Q	Custom Key Setting
	№ S&Q	▶ Custom Key Setting
	S&Q	Custom Key Setting
Operation Customize	№ S&Q	Fn Menu Settings
	№ S&Q	DISP (Screen Disp) Set
	№ S&Q	▶ REC w/ Shutter
	№ S&Q	Touch Operation
Touch Operation	№ S&Q	Shooting Screen
	▶■ \$&Q	Playback Screen
	▶■ \$&Q	Menu Screen
Accessibility	△ >■ S&Q	Screen Reader

Groups	№ S&Q	Menu items
	№ S&Q	Monitor Brightness
Monitor	№ \$&Q	Monitor Flip Direction
	№ \$&Q	Vertical Display
	№ S&Q	TC/UB Disp. Setting
Display Option	▶■ S&Q	Gamma Display Assist
Display Option	№ S&Q	Gamma Disp. Assist Typ.
	▶■ S&Q	Auto Review
	▶ ■ S&Q	Auto Monitor OFF
Power Setting Option	▶■ S&Q	Power Save Start Time
Fower Setting Option	№ S&Q	Power OFF w/ monitor
	№ S&Q	Auto Power OFF Temp.
Sound Option	▶■ S&Q	Volume Settings
Souria Option	▶■ S&Q	Audio signals
	▶■ S&Q	USB Connection Mode
USB	▶■ S&Q	USB LUN Setting
	▶ S&Q	USB Power Supply
	▶ S&Q	HDMI Resolution
External Output	▶■ S&Q	▶■ HDMI Output Settings
	▶■ S&Q	HDMI Info. Display
	▶■ S&Q	CTRL FOR HDMI
Setup Option	▶■ S&Q	REC Lamp
	▶■ S&Q	Version
	▶■ S&Q	Privacy Notice

^{*} For some models only



Groups	№ S&Q	Menu items
My Menu Setting	№ S&Q	Add Item
	△ >■ S&Q	Sort Item
	△ >■ S&Q	Delete Item
	№ \$&Q	Delete Page
	△ >■ \$&Q	Delete All
	△ >■ S&Q	Display From My Menu

Note

The order in which the menu tabs are listed here differs from the actual display.

TP1000940093

Help Guide

Digital Camera ZV-1M2

Contents of this chapter

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Help Guide

Digital Camera ZV-1M2

Shoot Mode (still image)/Shoot Mode (movie)/Shoot Mode (S&Q)

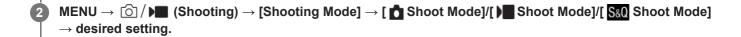






You can set the shooting mode according to the subject you want to shoot or the function you want to adjust.





Menu item details

Intelligent Auto:

The camera shoots with automatically adjusted settings.

Program Auto:

Allows you to shoot with the exposure adjusted automatically (both the shutter speed and the aperture value).

Aperture Priority:

You can shoot by adjusting the aperture and changing the range in focus, or by defocusing the background.

Shutter Priority:

By adjusting the shutter speed, you can shoot still images with different effects for moving objects, or record movies with natural movement.

Manual Exposure:

You can shoot with the desired exposure setting by adjusting both the shutter speed and aperture.

MR Cam.Set:

Allows you to shoot an image after recalling often-used modes or camera settings registered in advance.

Scene Selection (only when shooting still images):

Allows you to shoot with preset settings according to the scene.

Related Topic

Shoot Mode: Intelligent Auto

Shoot Mode: Program Auto

Shoot Mode: Aperture Priority

Shoot Mode: Shutter Priority

Shoot Mode: Manual Exposure

Recalling registered shooting settings (Cam.Set)

Shoot Mode: Scene Selection

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Help Guide

Digital Camera ZV-1M2

Shoot Mode: Intelligent Auto







The camera shoots images with automatically adjusted settings.

- Press the Still/Movie/S&Q button to select the desired shooting mode.
- MENU → \bigcirc / ► (Shooting) → [Shooting Mode] → [Shoot Mode]/[► Shoot Mode]/[S&Q Shoot Mode] → [Intelligent Auto].
- 3 Point the camera at the subject.
- Adjust the focus and shoot the image.

To adjust the image brightness, color tone, etc. (> My Image Style)

For details, refer to "Adjusting images in the auto mode (My Image Style)."

Hint

Note

- In the [Intelligent Auto] mode, when the camera recognizes multiple people, it changes the aperture so that the recognized faces can be captured clearly. However, depending on the shooting conditions, not all recognized faces may be captured clearly. This function does not work in the following cases.
 - When shooting still images
 - When the [Background Defocus] button is pressed
 - ─ When [♣ Subject Recog in AF] is set to [Off]
 - When [Recognition Target] is [Animal]

Related Topic

- Touch function icons
- Adjusting images in the auto mode (My Image Style)
- Creative Look (still image/movie)

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Help Guide

Digital Camera ZV-1M2

Shoot Mode: Scene Selection







Allows you to shoot with preset settings according to the scene.

- Press the Still/Movie/S&Q button to select the still image shooting mode.
- igotimes MENU ightarrow (Shooting) ightarrow [Shooting Mode] ightarrow [Scene Selection].
- 3 Select the desired mode in scene selection.

Menu item details

Portrait:

Blurs background and sharpens the subject. Accentuates the skin tones softly.



Sports Action:

Shoots a moving subject at a fast shutter speed so that the subject looks as if it is standing still. The product shoots images continuously while the shutter button is pressed.



△ Macro:

Shoots close-ups of the subjects, such as flowers, insects, food, or small items.



△ Landscape:

Shoots the entire range of a scenery in sharp focus with vivid colors.



△ Sunset:

Shoots the red of the sunset beautifully.



Night Scene:

Shoots night scenes without losing the dark atmosphere.



Night Portrait:

Shoots night scene portraits using the flash (sold separately).



To adjust the image brightness, color tone, etc. (🌣 My Image Style)

Swipe the monitor left or right to display the touch function icons on the shooting screen, and touch times adjustment). You can set to (Brightness), (Color), and [Creative Look] to your preferences. Touch each icon at the bottom of the screen to set each item.

For details, refer to "Adjusting images in the auto mode (My Image Style) ."

Related Topic

- Touch function icons
- Adjusting images in the auto mode (My Image Style)
- Creative Look (still image/movie)

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Help Guide

Digital Camera ZV-1M2

Adjusting images in the auto mode (My Image Style)

You can adjust the brightness and the color tone of the image, and select the finish of the image in the [Intelligent Auto] or [Scene Selection] mode using the touch function icons on the screen.

Set the camera as follows beforehand.

- [Touch Operation]: [On]
- [Shooting Screen]:
 - Set [Shooting Screen] to [On].
 - Set [Footer Icon Touch] to [On].
- Touch \$\forall \text{(image adjustment) icon on the shooting screen in the [Intelligent Auto] or [Scene Selection] mode.

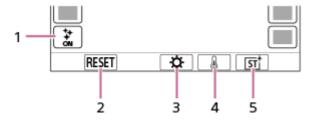
Image adjustment is enabled.

 To adjust images to your preferences, you need to display the touch function icons on the screen in advance. If the icons are not displayed, swipe the screen to the left or right to display them.

For details, refer to "Touch function icons."

- Set 🔅 (Brightness), 🖟 (Color), and [🚰 Creative Look] in the footer (bottom of the screen) to the desired values.
 - Touch [AUTO] or press the mm (delete) button to return to the camera's automatic settings.
- 3 Shoot an image.
 - The adjusted values can be reset by touching the (image adjustment) icon. The original shooting settings for [Intelligent Auto] or [Scene Selection] will be applied.

Details of the image adjustment screen



- 1. 🕻 (image adjustment) icon
- 2. RESET: Resets all changes.
- 3. Brightness: Sets a value from [Dark] to [Bright] using the slider.
- **4.** Color: Sets a value from [Cool] to [Warm] using the slider.
- 5. Creative Look: Selects [Auto], ST, PT, NT, VV, VV2, FL, IN, SH, BW, or SE.

Note

Image adjustments are not reflected when you change the shooting mode or when you start recording movies in the still image mode. In addition, settings that were adjusted prior to that point will be reset.

- When [Cinematic Vlog Set.] is set to [On],

 ⟨⟨ (Color)⟩ and [♠ Creative Look] cannot be adjusted.
- If you touch the screen while the touch AE function is enabled, the 🔅 (Brightness) setting will be temporarily disabled, and the exposure will be set according to the brightness of the touched area.

Related Topic

- Touch Operation
- Shooting Screen
- Touch function icons
- Shoot Mode: Intelligent Auto
- Shoot Mode: Scene Selection
- Creative Look (still image/movie)

TP1000940055

Help Guide

Digital Camera ZV-1M2

Shoot Mode: Program Auto







- 1 Press the Still/Movie/S&Q button to select the desired shooting mode.
- MENU → \bigcirc / ▶ (Shooting) → [Shooting Mode] → [Shoot Mode]/[Shoot Mode]/[SkQ Shoot Mode] → [Program Auto].
- Set the shooting functions to your desired settings.
- Adjust the focus and shoot the subject.

Program Shift (only during still image shooting)

When you are not using a flash, you can change the shutter speed and aperture (F-value) combination without changing the appropriate exposure set by the camera.

Turn the control wheel to select the aperture value and shutter speed combination.

- "P" on the screen changes to "P*" when you turn the control wheel.
- To cancel program shift, set the shooting mode to other than [Program Auto], or turn off the camera.
- If [Footer Icon Touch] under [Shooting Screen] is set to [On], you can also perform program shift by touching the shutter speed and aperture display area at the bottom of the screen.

Note

- According to the brightness of the environment, the program shift may not be used.
- Set the shooting mode to another one than "P" or turn off the power to cancel the setting you made.
- When the brightness changes, the aperture (F-value) and shutter speed also change while maintaining the shift amount.

TP1000831997

Help Guide

Digital Camera ZV-1M2

Shoot Mode: Aperture Priority







You can shoot by adjusting the aperture and changing the range in focus, or by defocusing the background.

- 1 Press the Still/Movie/S&Q button to select the desired shooting mode.
- MENU → ② / ▶ (Shooting) → [Shooting Mode] → [Shoot Mode]/[▶ Shoot Mode]/[S&Q Shoot Mode] → [Aperture Priority].
- 3 Select the desired value by turning the control wheel.
 - Smaller F-value: The subject is in focus, but objects in front of and beyond the subject are blurred.
 Larger F-value: The subject and its foreground and background are all in focus.
 - If the aperture value you have set is not suitable for appropriate exposure, the shutter speed on the shooting screen will blink. If this happens, change the aperture value.
- Adjust the focus and shoot the subject.

The shutter speed is automatically adjusted to obtain proper exposure.

Note

- The brightness of the image on the screen may differ from the actual image being shot.
- Depending on the position of the optical zoom, the aperture value setting range is as follows.
 - W: F1.8 F9.0
 - T: F4.0 F11

TP1000831996

Help Guide

Digital Camera ZV-1M2

Shoot Mode: Shutter Priority







By adjusting the shutter speed, you can shoot still images with different effects for moving objects, or record movies with natural movement.

- 1 Press the Still/Movie/S&Q button to select the desired shooting mode.
- MENU → ② / ▶ (Shooting) → [Shooting Mode] → [Shoot Mode]/[▶ Shoot Mode]/[S&Q Shoot Mode] → [Shutter Priority].
- Select the desired value by turning the control wheel.
 - If proper exposure cannot be obtained after setup, the aperture value on the shooting screen blinks. If this happens, change the shutter speed.
- 4 Adjust the focus and shoot the subject.

The aperture is automatically adjusted to obtain proper exposure.

Hint

- Use a tripod to prevent camera-shake when you have selected a slow shutter speed.
- When you shoot indoor sports scenes, set the ISO sensitivity to a higher value.

Note

- The SteadyShot warning indicator does not appear in [Shutter Priority] mode.
- The brightness of the image on the screen may differ from the actual image being shot.

TP1000831995

Help Guide

Digital Camera ZV-1M2

Shoot Mode: Manual Exposure







You can shoot with the desired exposure setting by adjusting both the shutter speed and aperture.

- 1 Press the Still/Movie/S&Q button to select the desired shooting mode.
- MENU → [o] / ▶ (Shooting) → [Shooting Mode] → [o] Shoot Mode]/[▶ Shoot Mode]/[S&Q Shoot Mode] → [Manual Exposure].
- 3 Press the down side of the control wheel to select the shutter speed or aperture value, then turn the control wheel to select a value.
 - You can also set [ISO] to [ISO AUTO] in manual exposure mode. The ISO value automatically changes to achieve the appropriate exposure using the aperture value and shutter speed you have set.
 - When [ISO] is set to [ISO AUTO], the ISO value indicator will blink if the value you have set is not suitable for appropriate exposure. If this happens, change the shutter speed or aperture value.
 - When [ISO] is set to other than [ISO AUTO], use MM (Metered Manual)* to check the exposure value.
 Toward +: Images become brighter.

Toward -: Images become darker.

- **0:** Appropriate exposure analyzed by the camera.
- * Indicates under/over for appropriate exposure.
- Adjust the focus and shoot the subject.

Hint

You can change the shutter speed and aperture (F-value) combination without changing the set exposure value (Manual shift). Assign [AEL hold] or [AEL toggle] to a desired key using the custom key settings, and then turn the control wheel while pressing that key.

Note

- The Metered Manual indicator does not appear when [n ISO] is set to [ISO AUTO].
- When the amount of ambient light exceeds the metering range of the Metered Manual, the Metered Manual indicator flashes.
- The SteadyShot warning indicator does not appear in manual exposure mode.
- The brightness of the image on the screen may differ from the actual image being shot.

Related Topic

ISO (still image/movie)

Help Guide

Digital Camera ZV-1M2

Product Showcase Set







The camera settings are optimally configured for situations such as movie shooting for product reviews. The camera tends to focus on objects that are closer to it.



Press [Product Showcase Set] button to switch the [Product Showcase Set] function on or off.

You can also switch the [Product Showcase Set] function on or off by selecting MENU \rightarrow \bigcirc / \blacktriangleright (Shooting) \rightarrow [Shooting Option].

Menu item details

On:

Shoots with optimal settings for product reviews. [Subject Recog in AF] under [Subject Recognition] is locked to [Off], and [Focus Area] is set to [Zone].

Off:

Shoots in the ordinary shooting mode.

Note

Settings for [Product Showcase Set] cannot be changed during movie recording.

TP1000832021

Help Guide

Digital Camera ZV-1M2

Background Defocus







You can change the level of defocus in the background simply by pressing the button while shooting still images or movies.



Press the (Background Defocus) button repeatedly.

Once you press the button, the [Background Defocus] mode is activated, and the background becomes defocused. Afterwards, the level of defocus in the background switches between "Defocus" and "Clear" each time you press the button.

 The camera returns to the normal shooting mode and the aperture returns to the former value when you press the Still/Movie/S&Q button.

Hint

■ The aperture value becomes locked and the icon ≜ (Defocus) or ♠ (Clear) is indicated instead of the aperture value in the [Background Defocus] mode. The aperture value is locked at wide open when ≜ (Defocus) is indicated. The aperture value is locked at F5.6 when ♠ (Clear) is indicated.

Note

- [Background Defocus] mode is canceled, the camera returns to normal shooting mode, and the aperture returns to the former value when you perform the following operations:
 - Turning the power off and back on again
 - Pressing the Still/Movie/S&Q button
 - Pressing the MENU button
 - Changing the aperture value while the shooting mode is set to [Aperture Priority] or [Manual Exposure]
 - Exposure Comp.
 - Performing Program Shift or Manual Shift
- Even if you press the button, you cannot change the level of defocus while using [Set Focus] or [Focus Magnifier] in the [Background Defocus] mode.
- Depending on the shooting mode and shooting conditions, the camera may be unable to obtain the optimal exposure due to the locking of the aperture value in the [Background Defocus] mode.

TP1000832022

Help Guide

Digital Camera ZV-1M2

Cinematic Vlog Set.







You can easily shoot cinematic images. When [Cinematic Vlog Set.] is set to [On], black bars are added at the top and bottom of the image, and the frame rate is locked to 24 fps.



 $MENU \rightarrow \blacksquare$ (Shooting) \rightarrow [Shooting Option] \rightarrow [Cinematic Vlog Set.] \rightarrow desired setting.

When [On] is selected, you can configure detailed settings for the effect by pressing the right side of the control wheel.

Menu item details

On:

Shoots images using the cinematic vlog effect. You can configure detailed settings for [Look]/[Mood]/[AF Transition Speed].

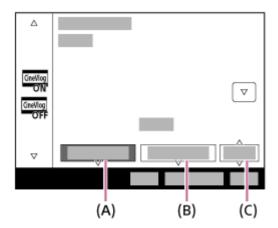
Off:

Does not use the cinematic vlog effect.

Settings for cinematic vlog

[Look], [Mood], and [AF Transition Speed] can be set according to the image to be shot.

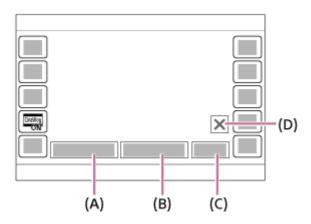
When making settings for the cinematic vlog function from MENU



(**A**): Look (**B**): Mood

(C): AF Transition Speed

When making settings for the cinematic vlog function from the shooting screen (touch function icons)



(**A**): Look (**B**): Mood

(C): AF Transition Speed

(D): Close icon

• Touch the Close icon to hide the [Look], [Mood], and [AF Transition Speed] submenus. After hiding them, you can redisplay the submenus by holding down the (Cinematic Vlog) icon.

Look:

Select the finish of the image from presets that have varied contrast, saturation, etc.

CLASSIC:

Creates an image with a cinematic look.

CLEAN:

Creates images with a refreshing look.

CHIC:

Creates images with a profound look.

FRESH:

Creates images with a colorful look.

MONO:

Creates images with a black and white look.

Mood:

Select the color tone of the image from presets according to the color you want to emphasize. [Mood] cannot be selected when [Look] is set to [MONO].

AUTO:

Creates images with colors optimal for the environment.

GOLD:

Creates images with warm colors.

OCEAN:

Creates images with cool colors.

FOREST:

Creates images with nostalgic colors.

AF Transition Speed:

Sets the focusing speed when the target of the auto focus is switched or moving.

HI:

Sets a fast switching speed of focusing to focus on the subject rapidly.

MID:

Sets a normal switching speed of focusing.

LO:

Sets a slow switching speed of focusing to focus on the subject smoothly.

Hint

By shooting images with the same [Look] and [Mood] throughout the work, you can create a sense of unity in your work.

Note

- The black bars at the top and bottom of the screen are recorded as part of the image. The image area excluding the black bars at the top and bottom of the screen has the aspect ratio of the cinema scope size, but the aspect ratio of the recorded image is 16:9.
- When [Cinematic Vlog Set.] is set to [On], [AF Transition Speed] under [AF/MF] becomes temporarily invalid.
- When [Cinematic Vlog Set.] is set to [On], [White Balance] becomes locked to [Auto], and the color tone changes according to the setting for [Mood].
- If you press the MOVIE (movie) button in the still image shooting mode to record a movie, the [Cinematic Vlog Set.] setting will not be reflected in the movie.
- When [Cinematic Vlog Set.] is set to [On], [Px Proxy Settings] is disabled.

TP1000940059

Help Guide

Digital Camera ZV-1M2

Self-timer (movie)







You can start shooting with the self-timer when recording a movie.

Press 👏 / 🖳 (Drive Mode) of the control wheel.

The [) Self-timer] setting screen will be displayed.

- Select [On] using the control wheel and set the desired countdown time.
 - Rec Start delay: Sets the count time until the start of movie recording. (3 s/5 s/10 s)
 - Repetition: Sets whether to repeat the movie self-timer. (Repeat/Only Once)
 If you select [Repeat], the movie self-timer will be activated repeatedly even after movie recording is completed.
 If you select [Only Once], the movie self-timer will be canceled after movie recording is completed, and the camera will return to the normal movie recording standby mode.
- 3 Adjust the focus and press the MOVIE (movie) button.

When the countdown appears on the recording standby screen, the self-timer lamp flashes, a beep sounds, and recording starts after the designated number of seconds has elapsed.

Press the MOVIE button again to end recording.

Menu item details

On:

Uses the movie self-timer function.

Off:

Does not use the movie self-timer function.

Hint

■ To stop the self-timer countdown, press the MOVIE button again or press the button to which the [► Self-timer] function is assigned.

Note

■ If you press the MOVIE button in the still image shooting mode to start movie recording, [) Self-timer] will not work.

TP1000832023

Help Guide

Digital Camera ZV-1M2

Selecting the focus method (Focus Mode)







Selects the focus method to suit the movement of the subject.



 $MENU \rightarrow AF_{MF}$ (Focus) \rightarrow [AF/MF] \rightarrow [\P Focus Mode] \rightarrow desired setting.

Menu item details

AF-S Single-shot AF:

The product locks the focus once focusing is complete. Use this when the subject is motionless.

AF-A Automatic AF:

[Single-shot AF] and [Continuous AF] are switched according to the movement of the subject. When the shutter button is pressed halfway down, the product locks the focus when it determines that the subject is motionless, or continues to focus when the subject is in motion. During continuous shooting, the product automatically shoots with [Continuous AF] from the second shot.

AF-C Continuous AF:

The product continues to focus while the shutter button is pressed and held halfway down. Use this when the subject is in motion. In [Continuous AF] mode, there is no beep when the camera focuses.

DMF DMF:

You can make fine adjustments manually after performing auto focusing, letting you focus on a subject more quickly than when using [Manual Focus] from the beginning. This is convenient in situations such as macro shooting.

MF Manual Focus:

Adjusts the focus manually. If you cannot focus on the intended subject using auto focus, use [Manual Focus].

Focus indicator



The subject is in focus and the focus is locked.



The subject is not in focus.



The subject is in focus. The focus will be adjusted continuously according to the movements of the subject.



Focusing is in progress.

Subjects on which it is difficult to focus using auto focus

- Dark and distant subjects
- Subjects with poor contrast
- Subjects seen through glass
- Fast-moving subjects
- Reflective light or shiny surfaces
- Flashing light

- Back-lit subjects
- Continuously repetitive patterns, such as the facades of buildings
- Subjects in the focusing area with different focal distances

Hint

When you set the focus to infinity in [Manual Focus] mode or [DMF] mode, make sure that the focus is on a sufficiently distant subject by checking the monitor.

Note

Only [Continuous AF] and [Manual Focus] are available in the movie shooting mode.

Related Topic

- Direct manual focus (DMF)
- Manual Focus (Set Focus)
- Selecting the focus area (Focus Area)
- Assigning frequently used functions to buttons (Custom Key Setting)

TP1000819661

Help Guide

Digital Camera ZV-1M2

Selecting the focus area (Focus Area)







Set the type of focusing frame when shooting with the auto focus. Select the mode according to the subject.



 $MENU \rightarrow AF_{MF}$ (Focus) \rightarrow [Focus Area] \rightarrow [\P Focus Area] \rightarrow desired setting.

Menu item details



Focuses on a subject covering the whole range of the screen automatically. When you press the shutter button halfway down in the still image shooting mode, a green frame is displayed around the area that is in focus.

Zone:

Select a zone on the monitor on which to focus, and the product will automatically select a focus area.

[] Center Fix:

Focuses automatically on a subject in the center of the image. Use together with the focus-lock function to create the composition you want.

Spot: S/Spot: M/Spot: L:

Allows you to move the focusing frame to a desired point on the screen and focus on an extremely small subject in a narrow area.

Expand Spot:

If the product cannot focus on a single selected point, it uses focus points around the [Spot] as a secondary priority area for focusing.

다ූ 다ූ 다ූ 현M 현 Tracking:

This setting is available only when the [Focus Mode] is set to [Continuous AF]. When the shutter button is pressed and held halfway down, the product tracks the subject within the selected autofocus area. Point the cursor at [Tracking] on the [Focus Area] setting screen, and then select the desired area to start tracking using the left/right sides of the control wheel. You can also move the tracking start area to the desired point by designating the area as a [Tracking: Zone], [Tracking: Spot S]/[Tracking: Spot M]/[Tracking: Spot L] or [Tracking: Expand Spot].

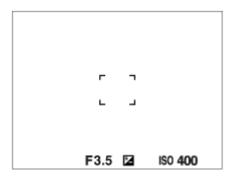
Note

- [Focus Area] is locked to [Wide] in the following situations:
 - [Scene Selection]
- The focus area may not light up during continuous shooting or when the shutter button is pressed all the way down at once.
- When the shooting mode is set to [Movie] or [S&Q Motion] or during movie shooting, [Tracking] cannot be selected for [♣ Focus Area].

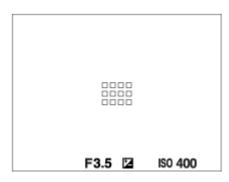
Examples of the focusing frame display

The focusing frame differs as follows.

When focusing on a larger area

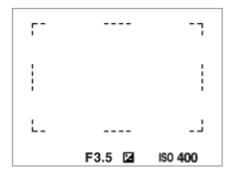


When focusing on a smaller area



When [Focus Area] is set to [Wide] or [Zone], the focusing frame may switch between "When focusing on a larger area" and "When focusing on a smaller area" depending on the subject or situation.

When focus is achieved automatically based on the whole range of the monitor



• When you use a zoom function other than the optical zoom in the still image shooting mode, the [} Focus Area] setting is disabled and the focusing frame is shown by the dotted line. The AF operates with priority on and around the center area.

To move the focus area

• When [Facus Area] is set to [Zone], [Spot] or [Expand Spot], if pressing the button to which [Focus Standard] is assigned, you can shoot while moving the focusing frame using the top/bottom/left/right sides of the control wheel. To return the focusing frame to the center of the monitor, press the (Delete) button while moving the frame. To change the shooting settings using the control wheel, press the button to which [Focus Standard] is assigned.

Hint

• You can move the focusing frame quickly by touching and dragging it on the monitor. Set [Touch Operation] to [On], and set [Touch Func. in Shooting] under [Shooting Screen] to [Touch Focus] beforehand.

Note

You cannot execute functions assigned to the control wheel or the product Showcase Set) button while moving the focusing frame.

Phase detection AF

When there are phase detection AF points within the auto focus area, the product uses the combined autofocus of the phase detection AF and contrast AF.

Note

- When the F-value is greater than F8, you cannot use the Phase Detection AF. Only Contrast AF is available.
- When [▶ File Format] is set to [XAVC S HD] and [Rec Frame Rate] under [▶ Movie Settings] is set to [120p]/[100p], Phase Detection AF cannot be used. Only Contrast AF is available.

Related Topic

- Selecting the focus method (Focus Mode)
- Touch Operation
- Shooting Screen
- Focusing using touch operations (Touch Focus)

TP1000810727

Help Guide

Digital Camera ZV-1M2

Tracking subject (Tracking function)

This camera has the function of tracking which tracks the subject, and keeps marking it with the focusing frame. You can set the start position to track by selecting from focusing areas, or by specifying by touch operation. The required function varies depending on the setting method.

You can refer to the related functions under "Related Topic" at the bottom of this page.

Setting the start position to track by focusing area ([Tracking] under [🚰 Focus Area])

The selected focusing frame is set as the start position to track, and the tracking starts by pressing the shutter button halfway down.

- This function is available in still image shooting mode.

Setting the start position to track by touch operation ([Touch Tracking] under [Touch Func. in Shooting])

You can set the subject to track by touching it on the monitor.

- This function is available in still image shooting mode and movie shooting mode.
- This function is available when [note to set to [Single-shot AF], [Automatic AF] or [Continuous AF].

Related Topic

- Selecting the focus method (Focus Mode)
- Selecting the focus area (Focus Area)
- Starting tracking with touch operations (Touch Tracking)

TP1000827012

Help Guide

Digital Camera ZV-1M2

Manual Focus (Set Focus)







When it is difficult to focus properly in the autofocus mode, you can adjust the focus manually.

- MENU \rightarrow AF_{MF} (Focus) \rightarrow [AF/MF] \rightarrow [\clubsuit Set Focus].

The screen for manual focusing operations will appear.

- 3 Press the left/right side of the control wheel or turn the control wheel to adjust the focus.
 - The focus distance will be displayed on the screen.
 - To enable fine adjustments to the focus under various conditions, the focusing indicator can be moved beyond infinity. When you want to focus at infinity, do not move the indicator to the end of the bar. Instead, adjust the focus while checking the monitor.
 - To return to the shooting screen, press the center of the control wheel.

Hint

- Using [Auto Magnifier in MF] allows you to manually focus more easily because the image is automatically enlarged during manual focus adjustments. While the magnified image is displayed, you can use the top/bottom/left/right side of the control wheel to adjust which part of the image to magnify. Turn the control wheel to adjust the focus.
- When you use [Peaking Display], the outlines of in-focus ranges are enhanced using a specific color. This function allows you to check the focus easily.

Note

- The displayed focus distance is just a reference.

Related Topic

- Direct manual focus (DMF)
- Auto Magnifier in MF (still image/movie)
- Focus Magnifier
- Peaking Display

TP1000832024

Help Guide

Digital Camera ZV-1M2

Direct manual focus (DMF)







You can make fine adjustments manually after performing auto focusing, letting you focus on a subject more quickly than when using the manual focus from the beginning. This is convenient in situations such as macro shooting.

- 2 Press the shutter button halfway down to focus automatically.
- MENU \rightarrow AF_{MF} (Focus) \rightarrow [AF/MF] \rightarrow [\P Set Focus].

The screen for manual focusing operations will appear.

- The screen for manual focusing operations can also be displayed by pressing the key to which [Focus Standard] has been assigned using [Custom Key Setting] or [Custom Key Setting].
- Press the left/right side of the control wheel or turn the control wheel to adjust the focus.
 - The focus distance will be displayed on the screen.
 - To enable fine adjustments to the focus under various conditions, the focusing indicator can be moved beyond infinity. When you want to focus at infinity, do not move the indicator to the end of the bar. Instead, adjust the focus while checking the monitor, etc.
 - To return to the shooting screen, press the center of the control wheel.
- 5 Press the shutter button fully down to shoot an image.

Related Topic

- Manual Focus (Set Focus)
- Peaking Display

TP1000787221

Help Guide

Digital Camera ZV-1M2

Focusing on human eyes

The camera can automatically recognize faces and eyes and focus on the eyes.

The following explanation is for cases where the recognition target is human. The faces of up to 8 subjects can be recognized.

There are two methods of focusing on eyes, with some differences between their specifications. Select the appropriate method according to your purpose.

Item	[🧣 Subject Recog in AF] function	[Subject Recognition AF] via a custom key
Characteristics	The camera will recognize faces/eyes with greater priority.	The camera will recognize faces/eyes exclusively.
Advance preparation	 Select [Subject Recog in AF] → [On]. Select [Recognition Target] → [Human]. 	Assign [Subject Recognition AF] to the desired key using [
How to focus	Press the shutter button halfway down.	Press the key to which you have assigned the [Subject Recognition AF] function.*
Function details	 When the camera recognizes a face or eye inside or around the designated [Focus Area], it focuses on the face or eye with greater priority. If the camera does not recognize any faces or eyes inside or around the designated [Focus Area], it will focus on another subject. 	 The camera focuses exclusively on faces or eyes anywhere on the screen, regardless of the setting for [Focus Area]. The camera will not automatically focus on another subject if no face or eye is recognized anywhere on the screen.
Focus mode	Follows the setting designated with [Follows the setting designated with [} Focus Mode]
Focus area	Follows the setting designated with [Focus Area]	The focus area temporarily becomes the entire screen, regardless of the setting for [

^{*} Regardless of whether [Subject Recog in AF] is set to [On] or [Off], you have assigned [Subject Recognition AF] to a custom key, you can use [Subject Recognition AF] while you are pressing that custom key.

[Subject Recognition AF] by custom key

If the camera does not recognize any faces or eyes, auto-focusing will not be performed.

- 2. MENU \rightarrow AF_{MF} (Focus) \rightarrow [Subject Recognition] \rightarrow [\P Recognition Target] \rightarrow [Human].

3. Point the camera at the face of a human, and press the key to which you have assigned the [Subject Recognition AF] function.

Press the shutter button while pressing the key.

To focus on the eyes of an animal

Set [Recognition Target] to [Animal] before shooting.

Hint

Setting [A Sbj Recog Frm Disp.] to [On] makes it easier to check the detection status of faces or eyes.

Note

- It may be difficult to focus on eyes in the following situations:
 - When the person is wearing sunglasses.
 - When the front hair covers the person's eyes.
 - In low-light or back-lit conditions.
 - When the eyes are closed.
 - When the subject is in the shade.
 - When the subject is out of focus.
 - When the subject is moving too much

There are also other situations in which it may not be possible to focus on the eyes.

- When the camera cannot focus on human eyes, it will recognize and focus on a face instead. The camera cannot focus on eyes when no human faces are recognized.
- The camera may not recognize faces at all or may accidentally recognize other objects as faces under some conditions.
- The camera cannot recognize faces or eyes in the following situations:
 - When using zoom functions other than the optical zoom
- The camera cannot recognize faces in the following situations when shooting movies:
 - When [▶ File Format] is set to [XAVC S 4K] and [Px Proxy Recording] under [Px Proxy Settings] is set to [On]
 - When [▶ File Format] is set to [XAVC S 4K], [Rec Frame Rate] under [▶ Movie Settings] is set to [30p], and [Rec. Media dur HDMI Output] under [▶ HDMI Output Settings] is set to [On]
 - When [▶ File Format] is set to [XAVC S 4K] and connecting to the camera from a computer, etc.
 - When [▶ File Format] is set to [XAVC S 4K], and you are performing remote shooting via a smartphone
 - When [▶ File Format] is set to [XAVC S HD] and [Rec Frame Rate] under [▶ Movie Settings] is set to [120p]/[100p]

Related Topic

- Subject Recog in AF (still image/movie)
- Recognition Target (still image/movie)
- Right/Left Eye Select (still image/movie)
- Sbj Recog Frm Disp. (still image/movie)
- Selecting the focus method (Focus Mode)
- Selecting the focus area (Focus Area)

TP1000831938

Help Guide

Digital Camera ZV-1M2

Subject Recog in AF (still image/movie)







Sets whether or not the camera recognizes faces or eyes inside the focus area while performing autofocus, and then focuses on the eyes automatically.



Menu item details

On:

Focuses on the faces or eyes with priority if there are faces or eyes which the camera can recognize inside or around the designated focus area.

Off:

Does not prioritize faces or eyes when performing auto-focusing.

Hint

When [♣ Subject Recog in AF] is assigned to the desired key using [★ Custom Key Setting] or [▶ Custom Key Setting], you can switch the [♣ Subject Recog in AF] function on or off by pressing the key.

Note

If the camera does not recognize any faces or eyes inside or around the designated focus area, it will focus on another subject.

Related Topic

- Focusing on human eyes
- Recognition Target (still image/movie)
- Right/Left Eye Select (still image/movie)
- Assigning frequently used functions to buttons (Custom Key Setting)

TP1000831985

Help Guide

Digital Camera ZV-1M2

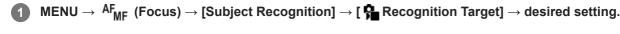
Recognition Target (still image/movie)







Selects the target to be recognized with the [Recog in AF] function.



Menu item details

Human:

Recognizes human faces/eyes.

Animal:

Recognizes animal eyes.

Hint

To make the camera recognize animal eyes, compose the shot so that the animal's eyes and nose are within the angle of view.Once you focus on the animal's face, it will be easier to recognize the animal's eyes.

Note

- When [Recognition Target] is set to [Animal], the following functions cannot be used.
 - Pace Priority in Multi Metering
 - Regist. Faces Priority
- Even when [Recognition Target] is set to [Animal], the eyes of some types of animals cannot be recognized.

Related Topic

- Focusing on human eyes
- Subject Recog in AF (still image/movie)

TP1000831984

Help Guide

Digital Camera ZV-1M2

Right/Left Eye Select (still image/movie)







Sets whether to focus on the left or right eye when the camera recognizes human eyes.



 $MENU \rightarrow AF_{MF}$ (Focus) \rightarrow [Subject Recognition] \rightarrow [\P Right/Left Eye Select] \rightarrow desired setting.

Menu item details

Auto:

The camera automatically selects either the left eye or right eye.

Right Eye:

The right eye of the subject (the eye on the left side from the photographer's perspective) is selected.

Left Eye:

The left eye of the subject (the eye on the right side from the photographer's perspective) is selected.

[Switch Right/Left Eye] by custom key

You can also switch between the right eye and left eye to focus with the custom key.

When [Right/Left Eye Select] is set to [Right Eye] or [Left Eye], you can switch the eye to be focused by pressing the custom key to which you have assigned the [Switch Right/Left Eye] function.

When [Right/Left Eye Select] is set to [Auto], you can temporarily switch the eye to be focused by pressing the custom key to which you have assigned the [Switch Right/Left Eye] function.

The temporary left/right selection is canceled when you perform the following operations, etc. The camera returns to automatic eye selection.

- Pressing the center of the control wheel
- Stopping pressing the shutter button halfway down (only during still image shooting)
- Stopping pressing the custom key to which [Subject Recognition AF] is assigned (only during still image shooting)
- Pressing the MENU button

Hint

■ When [Sbj Recog Frm Disp.] is set to [On], the eye recognition frame appears around the eye you selected using [Right/Left Eye Select] or [Switch Right/Left Eye] with the custom key.

Related Topic

- Focusing on human eyes
- Subject Recog in AF (still image/movie)
- Recognition Target (still image/movie)
- Sbj Recog Frm Disp. (still image/movie)

TP1000831983

Help Guide

Digital Camera ZV-1M2

Sbj Recog Frm Disp. (still image/movie)







Sets whether to display the subject recognition frame when faces or eyes are recognized.



 $\mathsf{MENU} \to \ ^{\mathsf{AF}}_{\mathsf{MF}} \ (\mathsf{Focus}) \to [\mathsf{Subject} \ \mathsf{Recognition}] \to [\ ^{\mathsf{Recog}} \ \mathsf{Frm} \ \mathsf{Disp.}] \to \mathsf{desired} \ \mathsf{setting.}$

Menu item details

On:

Displays a recognition frame when faces or eyes are recognized.

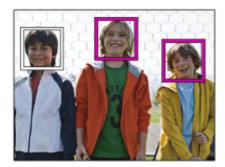
Off:

Does not display a recognition frame when faces or eyes are recognized.

Face recognition frame

When the camera recognizes a face, the gray face-recognition frame appears. The frame color will be reddish purple if the recognized face has been registered using the [Face Memory] function.

The face recognition frame turns white when the face is recognized inside or around the focus area, and the camera determines that autofocus is enabled.



Eye recognition frame

A white eye recognition frame appears when an eye is recognized and the camera determines that auto-focusing is possible.

The eye recognition frame is displayed as follows when [Recognition Target] is set to [Animal].



- If the subject is moving too much or too fast, the recognition frame may not be displayed correctly over their eyes.
- If the eyes are not recognized, the eye recognition frame will not be displayed.
- Even if [Sbj Recog Frm Disp.] is set to [Off], a green focusing frame will appear over faces or eyes that are in focus when you press the shutter button halfway down, etc.

Related Topic

- Focusing on human eyes
- Subject Recog in AF (still image/movie)
- Recognition Target (still image/movie)
- Right/Left Eye Select (still image/movie)
- Face Memory

TP1000831982

Help Guide

Digital Camera ZV-1M2

Face Memory







Sets personal face data. If you register faces in advance, the product can focus on the registered face as a priority. Up to eight faces can be registered.



 $\text{MENU} \rightarrow \text{ AF}_{\text{MF}} \text{ (Focus)} \rightarrow \text{[Subject Recognition]} \rightarrow \text{[Face Memory]} \rightarrow \text{desired setting item.}$

Menu item details

New Registration:

Shoots and registers faces.

Order Exchanging:

When multiple faces are registered, the order of priority for the registered face data can be changed.

Delete:

Deletes registered faces one by one.

Delete All:

Deletes all registered faces at once.

Note

- When performing [New Registration], shoot the face from the front in a brightly lit place. The face may not be registered correctly if it is obscured by a hat, a mask, sunglasses, etc.
- Even if you execute [Delete], the data for registered face will remain in the product. To delete the data for registered faces from the product, select [Delete All].
- Faces registered through the [Face Memory] function are considered biometric information. Users are responsible for collecting and using such data and for complying with the laws and regulations of the relevant country or region. For more information, visit the following website.

https://www.sony.net/dics/privacy

Related Topic

Regist. Faces Priority (still image/movie)

TP1000787285

Help Guide

Digital Camera ZV-1M2

Regist. Faces Priority (still image/movie)







Sets whether to focus with higher priority on faces registered using [Face Memory].



 $\mathsf{MENU} \to \ ^{\mathsf{AF}}_{\mathsf{MF}} \ (\mathsf{Focus}) \to [\mathsf{Subject} \ \mathsf{Recognition}] \to [\ ^{\mathsf{Re}}_{\mathsf{B}} \ \mathsf{Regist}. \ \mathsf{Faces} \ \mathsf{Priority}] \to \mathsf{desired} \ \mathsf{setting}.$

Menu item details

On:

Focuses with higher priority on faces registered using [Face Memory].

Off:

Focuses without giving higher priority to registered faces.

Hint

- To use the [Regist. Faces Priority] function, set as follows.
 - [Subject Recog in AF] under [Subject Recognition]: [On]
 - [Recognition Target] under [Subject Recognition]: [Human]

Related Topic

- Subject Recog in AF (still image/movie)
- Recognition Target (still image/movie)
- Face Memory

TP1000825930

Help Guide

Digital Camera ZV-1M2

Focus Standard







If you press the key to which [Focus Standard] is assigned, you can recall useful functions such as moving the focusing frame quickly, etc. depending on the focus area settings.

- MENU → → (Setup) → [Operation Customize] → [Custom Key Setting] or [) Custom Key Setting] → desired key, then assign the [Focus Standard] function to the key.
- Press the key to which [Focus Standard] is assigned.
 - What you can do by pressing the key varies depending on the setting for [Focus Area].

Examples of [Focus Standard] key functions

- When [Focus Area] is set to any of the following parameters, pressing the key enables you to move the focusing frame using the top/bottom/left/right side of the control wheel.
 - [Zone]
 - [Spot: S]/[Spot: M]/[Spot: L]
 - [Expand Spot]
 - [Tracking: Zone]
 - = [Tracking: Spot S]/[Tracking: Spot M]/[Tracking: Spot L]
 - [Tracking: Expand Spot]
- When [♣ Focus Area] is set to [Wide], [Center Fix], [Tracking: Wide], or [Tracking: Center Fix], pressing the key in the autofocus mode makes the camera focus on the center of the screen.

Hint

If you press the key to which [Focus Standard] is assigned when [Focus Mode] is set to [Manual Focus], the screen for manual focusing operations will appear.

Note

You cannot set the [Focus Standard] function to [Left Button] or [Right Button].

Related Topic

- Assigning frequently used functions to buttons (Custom Key Setting)
- Selecting the focus area (Focus Area)

TP1000819584

Help Guide

Digital Camera ZV-1M2

Focus Area Limit (still image/movie)







By limiting the types of available focus area settings in advance, you can more quickly select settings for [} Focus Area].



MENU \to AF_{MF} (Focus) \to [Focus Area] \to [\P Focus Area Limit] \to Add check marks to the focus areas that you want to use, and then select [OK].

The types of focus areas marked with \checkmark (check mark) will be available as settings.

Note

Types of focus areas that do not have a check mark cannot be selected using MENU or the Fn (function) menu. To select one, add a check mark using [Focus Area Limit].

Related Topic

- Selecting the focus area (Focus Area)
- Assigning frequently used functions to buttons (Custom Key Setting)

TP1000826999

Help Guide

Digital Camera ZV-1M2

Circ. of Focus Point (still image/movie)



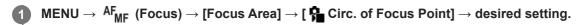




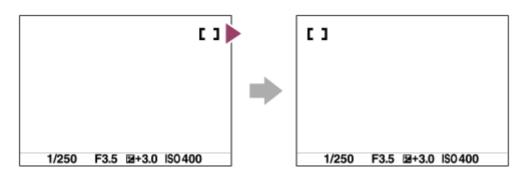
Sets whether to allow the focusing frame to jump from one end to the other when you move the focusing frame. This function is useful when you want to move the focusing frame from one end to the other quickly.

The function can be used when the following settings are selected for [- Focus Area].

- [Zone]
- [Spot: S]/[Spot: M]/[Spot: L]
- [Expand Spot]
- [Tracking: Zone]
- [Tracking: Spot S]/[Tracking: Spot M]/[Tracking: Spot L]
- [Tracking: Expand Spot]



When [Circulate] is selected:



Menu item details

Does Not Circulate:

The cursor does not move when you try to move the focusing frame past the end.

Circulate:

The cursor jumps to the opposite end when you try to move the focusing frame past the end.

Related Topic

Selecting the focus area (Focus Area)

TP1000827017

Help Guide

Digital Camera ZV-1M2

Focus Area Color (still image/movie)







You can specify the color of the frame indicating the focusing area. If the frame is difficult to see because of the subject, make it more visible by changing its color.



 $\text{MENU} \to \ ^{\text{AF}}_{\text{MF}} \ (\text{Focus}) \to [\text{Focus Area}] \to [\ ^{\text{C}}_{\text{MF}} \ \text{Focus Area Color}] \to \text{desired color}.$

Menu item details

White:

Displays the frame indicating the focusing area in white.

Red:

Displays the frame indicating the focusing area in red.

Related Topic

Selecting the focus area (Focus Area)

TP1000827466

Help Guide

Digital Camera ZV-1M2

AF Area Auto Clear







Sets whether the focus area is displayed all the time or disappears automatically shortly after focus is achieved.



 $\textbf{MENU} \rightarrow \ ^{\textbf{AF}}_{\textbf{MF}} \ \ \textbf{(Focus)} \rightarrow \textbf{[Focus Area]} \rightarrow \textbf{[AF Area Auto Clear]} \rightarrow \textbf{desired setting}.$

Menu item details

On:

The focus area disappears automatically shortly after focus is achieved.

Off:

The focus area is displayed all the time.

Related Topic

Selecting the focus area (Focus Area)

TP1000819564

Help Guide

Digital Camera ZV-1M2

AF-C Area Display







You can set whether or not to display the area that is in focus when [Focus Mode] is set to [Continuous AF] and [Focus Area] is set to [Wide] or [Zone].



 $\text{MENU} \to \text{ AF}_{\text{MF}} \text{ (Focus)} \to \text{[Focus Area]} \to \text{[AF-C Area Display]} \to \text{desired setting.}$

Menu item details

On:

Displays the focus area that is in focus.

Off:

Does not display the focus area that is in focus.

Note

- When [♣ Focus Area] is set to one of the following, the focusing frames in the area that is in focus turn green:
 - [Center Fix]
 - [Spot]
 - [Expand Spot]

Related Topic

Selecting the focus area (Focus Area)

TP1000810721

Help Guide

Digital Camera ZV-1M2

Phase Detect. Area







Sets whether or not to display the Phase Detection AF area.



 $MENU \rightarrow {}^{AF}_{MF}$ (Focus) \rightarrow [Focus Area] \rightarrow [Phase Detect. Area] \rightarrow desired setting.

Menu item details

On:

Displays the Phase Detection AF area.

Off:

Does not display the Phase Detection AF area.

Note

- When the F-value is larger than F8, Phase Detection AF cannot be used. Only Contrast AF is available.
- When recording movies, the Phase Detection AF area will not be displayed.

TP1000788156

Help Guide

Digital Camera ZV-1M2

AF Transition Speed







Sets the focusing speed when the target of the auto focus is switched during movie shooting.



 $\text{MENU} \to \ ^{\text{AF}}_{\text{MF}} \ (\text{Focus}) \to [\text{AF/MF}] \to [\text{AF Transition Speed}] \to \text{desired setting}.$

Menu item details

7 (Fast)/6/5/4/3/2/1 (Slow):

Select a faster value to focus on the subject more quickly.

Select a slower value to focus on the subject more smoothly.

Hint

You can use the touch focus function to intentionally transition the AF.

TP1000819586

Help Guide

Digital Camera ZV-1M2

AF Subj. Shift Sensitivity







Sets the sensitivity with which the focus switches to another subject when the original subject leaves the focus area or an unfocused subject in the foreground approaches the center of the focus area during movie shooting.



 $\text{MENU} \to \text{ AF}_{\text{MF}} \text{ (Focus)} \to \text{[AF/MF]} \to \text{[AF Subj. Shift Sensitivity]} \to \text{desired setting.}$

Menu item details

5(Responsive)/4/3/2/1(Locked on):

Select a higher value when you want to shoot a quick-moving subject, or when you want to shoot multiple subjects while switching the focus continually.

Select a lower value when you want the focus to remain steady, or when you want to keep the focus on a particular target without being affected by other subjects.

TP1000819574

Help Guide

Digital Camera ZV-1M2

AF/MF Selector







You can easily switch the focusing mode from auto to manual and vice versa while shooting without changing your holding position.



MENU \rightarrow \leftarrow (Setup) \rightarrow [Operation Customize] \rightarrow [\leftarrow Custom Key Setting] or [\rightarrow Custom Key Setting] \rightarrow desired button \rightarrow [AF/MF Selector Hold] or [AF/MF Selector Toggle].

Menu item details

AF/MF Selector Hold:

Switches the focusing mode while the button is held down.

AF/MF Selector Toggle:

Switches the focusing mode until the button is pressed again.

Note

You cannot set the [AF/MF Control Hold] function to [Left Button] or [Right Button] of the control wheel.

Related Topic

Assigning frequently used functions to buttons (Custom Key Setting)

TP1000787228

Help Guide

Digital Camera ZV-1M2

Pre-AF







The product automatically adjusts focus before you press the shutter button halfway down.



 $\text{MENU} \rightarrow \text{ }^{\text{AF}}_{\text{MF}} \text{ (Focus)} \rightarrow \text{[AF/MF]} \rightarrow \text{[Pre-AF]} \rightarrow \text{desired setting.}$

Menu item details

On:

Adjusts focus before you press the shutter button halfway down.

Off:

Does not adjust focus before you press the shutter button halfway down.

Note

During focusing operations, the screen may shake.

TP1000810723

Help Guide

Digital Camera ZV-1M2

Auto Magnifier in MF (still image/movie)

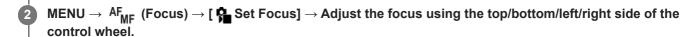






Enlarges the image on the screen automatically to make manual focusing easier. This works in Manual Focus or Direct Manual Focus shooting.





The image is enlarged.

Hint

■ You can set how long the image is to be shown magnified by selecting MENU \rightarrow AF_{MF} (Focus) \rightarrow [Focus Assistant] \rightarrow [\clubsuit Focus Magnif. Time].

Related Topic

- Manual Focus (Set Focus)
- Direct manual focus (DMF)
- Focus Magnif. Time (still image/movie)

TP1000810724

Help Guide

Digital Camera ZV-1M2

Focus Magnifier







You can check the focus by enlarging the image before shooting.

Unlike with [Auto Magnifier in MF], you can magnify the image without needing to perform manual focusing operations.

- **1** MENU \rightarrow AF_{MF} (Focus) \rightarrow [Focus Assistant] \rightarrow [Focus Magnifier].
- Press the center of the control wheel to enlarge the image and select the area you want to enlarge using top/bottom/left/right side of the control wheel.
 - You can set the initial magnification by selecting MENU → AF_{MF} (Focus) → [Focus Assistant] → [Initial Focus Mag.] or [Initial Focus Mag.].
- Confirm the focus.
 - Press the (Delete) button to bring the magnified position into the center of an image.
 - When the focus mode is [Manual Focus], you can adjust the focus while an image is magnified. The [Focus Magnifier] function will be canceled when the shutter button is pressed halfway.
 - You can set how long the image is to be shown magnified by selecting MENU → AF_{MF} (Focus) → [Focus Assistant] → [♣ Focus Magnif. Time].

To use the focus magnifier function by touch operation

When [Touch Func. in Shooting] is set to [Touch Focus], you can magnify the image and adjust the focus by touching the monitor. Set in advance as follows.

- [Touch Operation]: [On]
 - Set [Shooting Screen] to [On].
 - Set [Touch Func. in Shooting] to [Touch Focus].

When the focus mode is [Manual Focus], you can perform [Focus Magnifier] by double-tapping the area to focus on.

Hint

- While using the focus magnifier function, you can move the magnified area by dragging it on the touch panel.
- To exit the focus magnifier function, double-tap the monitor again. You can also exit the focus magnifier function by pressing the shutter button halfway down.

Related Topic

- Auto Magnifier in MF (still image/movie)
- Focus Magnif. Time (still image/movie)
- Initial Focus Mag. (still image)

- Initial Focus Mag. (movie)
- Touch Operation
- Shooting Screen

TP1000787232

Help Guide

Digital Camera ZV-1M2

Focus Magnif. Time (still image/movie)







Set the duration for which an image is to be magnified using the [Auto Magnifier in MF] or [Focus Magnifier] function.



 $MENU \rightarrow {}^{AF}_{MF}$ (Focus) \rightarrow [Focus Assistant] \rightarrow [\P Focus Magnif. Time] \rightarrow desired setting.

Menu item details

2 Sec:

Magnifies the images for 2 seconds.

5 Sec:

Magnifies the images for 5 seconds.

No Limit:

Magnifies the images until you press the shutter button.

Related Topic

- Auto Magnifier in MF (still image/movie)
- Focus Magnifier

TP1000787223

Help Guide

Digital Camera ZV-1M2

Initial Focus Mag. (movie)







Sets the initial magnification scale for [Focus Magnifier] in the movie shooting mode.



 $\text{MENU} \to \ ^{\text{AF}}_{\text{MF}} \ (\text{Focus}) \to [\text{Focus Assistant}] \to [\text{\ }) \blacksquare \ \text{Initial Focus Mag.}] \to \text{desired setting.}$

Menu item details

x1.0:

Displays the image with the same magnification as the shooting screen.

x4.0:

Displays a 4.0-times enlarged image.

Related Topic

Focus Magnifier

TP1000827008

Help Guide

Digital Camera ZV-1M2

Initial Focus Mag. (still image)







Sets the initial magnification scale when using [Focus Magnifier]. Select a setting that will help you frame your shot.



 $MENU \rightarrow {}^{AF}_{MF}$ (Focus) \rightarrow [Focus Assistant] \rightarrow [Initial Focus Mag.] \rightarrow desired setting.

Menu item details

x1.0:

Displays the image with the same magnification as the shooting screen.

x5.3:

Displays a 5.3-times enlarged image.

Related Topic

Focus Magnifier

TP1000819663

Help Guide

Digital Camera ZV-1M2

Peaking Display







Sets the peaking function, which enhances the outline of in-focus areas during shooting with Manual Focus or Direct Manual Focus.



 $\text{MENU} \to \text{ AF}_{\text{MF}} \text{ (Focus)} \to \text{[Peaking Display]} \to \text{Select a menu item and set the desired parameter.}$

Menu item details

Peaking Display:

Sets whether to display peaking. ([On] / [Off])

Peaking Level:

Sets the level of enhancement of in-focus areas. ([High] / [Mid] / [Low])

Peaking Color:

Sets the color used to enhance in-focus areas. ([Red] / [Yellow] / [Blue] / [White])

Note

- Since the product recognizes sharp areas as in focus, the effect of peaking differs, depending on the subject.
- The outline of in-focus ranges is not enhanced on devices connected via HDMI.

Related Topic

- Manual Focus (Set Focus)
- Direct manual focus (DMF)

TP1000825875

Help Guide

Digital Camera ZV-1M2

Exposure Comp. (still image/movie)







Normally, exposure is set automatically (auto exposure). Based on the exposure value set by auto exposure, you can make the entire image brighter or darker if you adjust [Laposure Comp.] to the plus side or minus side, respectively (exposure compensation).



 \square (\P Exposure Comp.) on the control wheel \rightarrow press the left/right side of the control wheel or turn the control wheel, and select the desired setting.

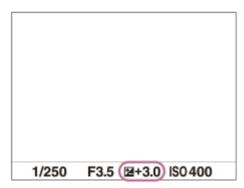
+ (over) side:

Images become brighter.

- (under) side:

Images become darker.

- When [Touch Operation] is set to [On] and [Footer Icon Touch] is set to [On], you can change the exposure compensation values using touch operations.
- You can adjust the exposure compensation value within the range of -3.0 EV to +3.0 EV.
- You can confirm the exposure compensation value that you set on the shooting screen.



Hint

You can adjust the exposure compensation value within the range of -2.0 EV to +2.0 EV for movies.

Note

- You cannot perform the exposure compensation in the following shooting modes:
 - [Intelligent Auto]
 - [Scene Selection]
- When using [Manual Exposure], you can perform the exposure compensation only when [n ISO] is set to [ISO AUTO].
- If you shoot a subject in extremely bright or dark conditions, or when you use the flash, you may not be able to get a satisfactory effect.

Related Topic

- Exp.comp.set
- Cont. Bracket
- Single Bracket
- Zebra Display

TP1000810716

Help Guide

Digital Camera ZV-1M2

Histogram display

A histogram shows the luminance distribution, displaying how many pixels there are by luminance. To display the histogram on the shooting screen or playback screen, press the DISP (Display Setting) button repeatedly.

How to read the histogram

The histogram indicates darker values toward the left and brighter values toward the right.

The histogram changes depending on the exposure compensation.

A peak at the right or left end of the histogram indicates that the image has an overexposed or underexposed area, respectively. You cannot correct such defects using a computer after shooting. Perform exposure compensation before shooting as necessary.



(A): Pixel count(B): Brightness

Note

- The information in the histogram display does not indicate the final photograph. It is information about image displayed on the screen. The final result depends on the aperture value, etc.
- The histogram display is extremely different between shooting and playback in the following cases:
 - When the flash is used
 - When shooting a low luminance subject such as a night scene

Related Topic

- DISP (Display Setting) button
- Exposure Comp. (still image/movie)

Help Guide

Digital Camera ZV-1M2

D-Range Optimizer (still image/movie)







By dividing the image into small areas, the product analyzes the contrast of light and shadow between the subject and the background, and creates an image with the optimal brightness and gradation.



 $\textbf{MENU} \rightarrow \ \ \textbf{[Color/Tone]} \rightarrow \ \ \textbf{[Pange Optimizer]} \rightarrow \textbf{desired setting}.$

Menu item details

Off:

Does not adjust brightness and gradation.

D-Range Optimizer:

If you select [D-Range Optimizer: Auto], the camera will automatically adjust the brightness and gradation. To optimize the gradation of a recorded image by individual areas, select an optimization level from [D-Range Optimizer: Lv1] (weak) to [D-Range Optimizer: Lv5] (strong).

Note

- In the following situations, [D-Range Optimizer] is fixed to [Off]:
 - When [Picture Profile] is set to other than [Off]
 - When [Rec Frame Rate] is set to [120p]/[100p].
- [Part D-Range Optimizer] is fixed to [Off] when the following modes are selected in [Scene Selection].
 - [Sunset]
 - [Night Scene]
 - [Night Portrait]

The setting is fixed to [D-Range Optimizer: Auto] when [Scene Selection] modes other than the above modes are selected.

When shooting with [D-Range Optimizer], the image may be noisy. Select the proper level by checking the recorded image, especially when you enhance the effect.

TP1000811390

Help Guide

Digital Camera ZV-1M2

Metering Mode (still image/movie)







Selects the metering mode that sets which part of the screen to measure for determining the exposure.







 $MENU \rightarrow$ [Metering] \rightarrow [Metering] \rightarrow [Metering Mode] \rightarrow desired setting.

Menu item details

Multi:

Measures light on each area after dividing the total area into multiple areas and determines the proper exposure of the entire screen (Multi-pattern metering).

(e) Center:

Measures the average brightness of the entire screen, while emphasizing the central area of the screen (Centerweighted metering).

Spot:

Measures only inside the metering circle. This mode is suitable for measuring light on a specified part of the entire screen. The size of the metering circle can be selected from [Spot: Standard] and [Spot: Large].

Entire Screen Avg.:

Measures the average brightness of the entire screen. The exposure will be stable even if the composition or the position of the subject changes.

Highlight:

Measures the brightness while emphasizing the highlighted area on the screen. This mode is suitable for shooting the subject while avoiding overexposure.

Hint

- When [Multi] is selected and [R Face Priority in Multi Metering] is set to [On], the camera measures brightness based on detected faces.
- When [Metering Mode] is set to [Highlight] and the [D-Range Optimizer] function is activated, the brightness and the contrast will be corrected automatically by dividing the image into small areas and analyzing the contrast of light and shadow. Make settings based on the shooting circumstances.

Note

- Metering Mode] is locked to [Multi] in the following shooting situations:
 - [Scene Selection]
 - When using a zoom function other than the optical zoom
- In [Highlight] mode, the subject may be dark if a brighter part exists on the screen.

Related Topic

- AE lock
- Face Priority in Multi Metering (still image/movie)
- D-Range Optimizer (still image/movie)

Help Guide

Digital Camera ZV-1M2

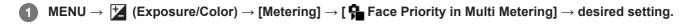
Face Priority in Multi Metering (still image/movie)







Sets whether the camera measures brightness based on detected faces when [🚰 Metering Mode] is set to [Multi].



Menu item details

On:

The camera measures brightness based on detected faces.

Off:

The camera measures brightness using the [Multi] setting, without detecting faces.

Note

When [Subject Recog in AF] under [Subject Recognition] is set to [On] and [Recognition Target] is set to [Animal], [Face Priority in Multi Metering] does not work.

Related Topic

Metering Mode (still image/movie)

TP1000825900

Help Guide

Digital Camera ZV-1M2

ND Filter (still image/movie)



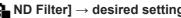




If you use an ND filter, the amount of light entering the camera is reduced. You can slow down the shutter speed and decrease the aperture value for a better exposure.







Menu item details

Automatically turns on the ND filter based on the shooting mode and brightness when shooting still images.

Always uses [R ND Filter].

Off:

Disables the [🦰 ND Filter] function.

Hint

When the ND filter is activated, the icon is displayed on the bottom of the screen.

Note

You cannot select [Auto] in movie shooting mode and slow-motion/quick-motion shooting mode.

TP1000787472

Help Guide

Digital Camera ZV-1M2

AE lock







When the contrast between the subject and background is high, such as when shooting a backlit subject or a subject near a window, meter the light at a spot where the subject appears to have the appropriate brightness and lock the exposure before shooting. To reduce the brightness of the subject, meter the light at a spot brighter than the subject and lock the exposure of the entire screen. To make the subject brighter, meter the light at a spot darker than the subject and lock the exposure of the entire screen.

- MENU → → (Setup) → [Operation Customize] → [Custom Key Setting] or [) Custom Key Setting] → desired key, then assign [AEL toggle] to the key.
- Adjust the focus on the spot at which the exposure is adjusted.
- Press the button to which [AEL toggle] is assigned.

The exposure is locked, and * (AE lock) is displayed.

- 4 Focus on the subject again and press the shutter button.
 - To cancel the exposure lock, press the button to which the [AEL toggle] function is assigned.

Hint

■ If you select the [AEL hold] function in [Custom Key Setting] or [Custom Key Setting], you can lock the exposure as long as you are holding down the button. You cannot set the [AEL hold] function to [Left Button] or [Right Button].

Note

• [• AEL hold] and [• AEL toggle] are not available when using zoom functions other than optical zoom.

Related Topic

Assigning frequently used functions to buttons (Custom Key Setting)

TP1000787177

Help Guide

Digital Camera ZV-1M2

Auto Slow Shutter







Sets whether or not to adjust the shutter speed automatically when recording movies if the subject is dark. This function cannot be used during slow-motion/quick-motion recording.



 $\textbf{MENU} \rightarrow \ \ \textbf{[Exposure]} \rightarrow \ \ \textbf{[Auto Slow Shutter]} \rightarrow \ \ \textbf{desired setting}.$

Menu item details

On:

Uses Auto Slow Shutter. The shutter speed automatically slows when recording in dark locations. You can reduce noise in the movie by using a slow shutter speed when recording in dark locations.

Off:

Does not use Auto Slow Shutter. The recorded movie will be darker than when [On] is selected, but you can record movies with smoother motion and less object blur.

Note

- [Auto Slow Shutter] does not function in the following situations:
 - ► S (Shutter Priority)
 - ► M (Manual Exposure)
 - When [No ISO] is set to other than [ISO AUTO]

TP1000787269

Help Guide

Digital Camera ZV-1M2

Zebra Display







Sets a zebra pattern, which appears over part of an image if the brightness level of that part meets the IRE level that you have set. Use this zebra pattern as a guide to adjust the brightness.



 $\textbf{MENU} \rightarrow \textbf{ [Zebra Display]} \rightarrow \textbf{Select a menu item and set the desired parameter}.$

Menu item details

Razebra Display:

Sets whether to display the zebra pattern. ([Off] / [On])

Zebra Level:

Adjusts the brightness level of the zebra pattern. ([70] / [75] / [80] / [85] / [90]/ [95] / [100] / [100+])

Hint

- You can register values to check the correct exposure or overexposure as well as the brightness level for [Zebra Level]. The settings for correct exposure confirmation and overexposure confirmation are registered to [Custom 1] and [Custom 2] respectively in the default settings.
- To check the correct exposure, set a standard value and the range for the brightness level. The zebra pattern will appear on areas that fall within the range you set.
- To check the overexposure, set a minimum value for the brightness level. The zebra pattern will appear over areas with a brightness level equal to or higher than the value you set.

Note

The zebra pattern is not displayed on devices connected via HDMI.

TP1000825901

Help Guide

Digital Camera ZV-1M2

ISO (still image/movie)







Sensitivity to light is expressed by the ISO number (recommended exposure index). The larger the number, the higher the sensitivity.



ISO on the control wheel \rightarrow select desired setting.

• You can also select MENU \rightarrow [(Exposure/Color) \rightarrow [Exposure] \rightarrow [\P ISO].

Menu item details

ISO AUTO:

Sets the ISO sensitivity automatically.

ISO 80 - ISO 12800:

Sets the ISO sensitivity manually. Selecting a larger number increases the ISO sensitivity.

Hint

- You can change the range of ISO sensitivity that is set automatically in [ISO AUTO] mode. Select [ISO AUTO] and press the right side of the control wheel, and set the desired values for [ISO AUTO Maximum] and [ISO AUTO Minimum].
- The higher the ISO value, the more noise will appear on the images.
- The available ISO settings will differ depending on whether you are shooting still images, shooting movies, or shooting slow-motion/quick-motion movies.
- When shooting movies, ISO values between 125 and 12800 are available. If the ISO value is set to a value smaller than 125, the setting is automatically switched to 125. When you finish recording the movie, the ISO value returns to the original setting.
- The available range for ISO sensitivity varies depending on the setting for [Gamma] under [1 Picture Profile].

Note

- [] ISO] is set to [ISO AUTO] in the following shooting modes:
 - [Intelligent Auto]
 - -[Scene Selection]
- When the ISO sensitivity is set to a value lower than ISO 125, the range for recordable subject brightness (dynamic range) may decrease
- When you select [ISO AUTO] with the shooting mode set to [P], [A], [S] or [M], the ISO sensitivity will be automatically adjusted within the set range.
- If you point the camera at an extremely strong light source while shooting images with a low ISO sensitivity, highlighted areas in the images may be recorded as black areas.

Help Guide

Digital Camera ZV-1M2

ISO AUTO Min. SS







If you select [ISO AUTO] when the shooting mode is P (Program Auto) or A (Aperture Priority), you can set the shutter speed at which the ISO sensitivity starts changing.

This function is effective for shooting moving subjects. You can minimize subject blurring while also preventing camera shake.



Menu item details

SLOWER (Slower)/SLOW (Slow):

The ISO sensitivity will start to change at shutter speeds slower than [Standard], so you can shoot images with less noise.

STD (Standard):

The camera automatically sets the shutter speed based on the focal length of the lens.

FAST (Fast)/FASTER (Faster):

The ISO sensitivity will start to change at shutter speeds faster than [Standard], so you can prevent camera shake and subject blurring.

1/32000 - 1/4"

The ISO sensitivity starts to change at the shutter speed you have set.

The difference in shutter speed at which ISO sensitivity starts to change between [Slower], [Slow], [Standard], [Fast], and [Faster] is 1 EV.

Note

- If the exposure is insufficient even when the ISO sensitivity is set to [ISO AUTO Maximum] in [ISO AUTO], in order to shoot with an appropriate exposure, the shutter speed will be slower than the speed set in [ISO AUTO Min. SS].
- In the following situations, the shutter speed may not function as set:
 - When using the flash to shoot bright scenes. (The maximum shutter speed is limited to the flash-syncing speed of 1/100 second.)
 - When using the flash to shoot dark scenes with the [Flash Mode] set to [Fill-flash]. (The minimum shutter speed is limited to the speed automatically determined by the camera.)

Related Topic

Shoot Mode: Program Auto

Shoot Mode: Aperture Priority

ISO (still image/movie)

Help Guide

Digital Camera ZV-1M2

White Balance (still image/movie)







Corrects the tone effect of the ambient light condition to record a neutral white subject in white. Use this function when the color tones of the image did not come out as you expected, or when you want to change the color tones on purpose for photographic expression.



Menu item details

AWB Auto: AWB Auto: Ambience / AWB Auto: White / ※ Daylight / 会 Shade / Cloudy / 公 Incandescent / 崇-1 Fluor.: Warm White / 崇 6 Fluor.: Cool White / 崇+1 Fluor.: Day White / 崇+2 Fluor.: Daylight / 學 Flash (only when shooting still images) / 型 Underwater Auto:

When you select a light source that illuminates the subject, the product adjusts the color tones to suit to the selected light source (preset white balance). When you select [Auto], the product automatically detects the light source and adjusts the color tones.

C.Temp./Filter:

Adjusts the color tones depending on the light source. Achieves the effect of CC (Color Compensation) filters for photography.

Custom 1/Custom 2/Custom 3:

Memorizes the basic white color under the light conditions for the shooting environment.

Hint

- You can display the fine adjustment screen and perform fine adjustments of the color tones as required by pressing the right side of the control wheel.
- If the color tones do not come out as you expected in the selected settings, perform [WB bracket] shooting.
- AWB. (Auto: Ambience), AWB. (Auto: White) is displayed only when [A Priority Set in AWB] is set to [Ambience] or [White].

Note

- [\textit{\frac{1}{2}} White Balance}] is fixed to [Auto] in the following shooting modes:
 - [Intelligent Auto]
 - -[Scene Selection]
 - When [Cinematic Vlog Set.] is set to [On]
- If you use a mercury lamp or a sodium lamp as a light source, the accurate white balance will not be obtained because of the characteristics of the light. It is recommended to shoot images using a flash or select [Custom 1] to [Custom 3].

Related Topic

- Capturing a standard white color to set the white balance (custom white balance)
- Priority Set in AWB (still image/movie)
- WB bracket

Help Guide

Digital Camera ZV-1M2

Capturing a standard white color to set the white balance (custom white balance)







In a scene where the ambient light consists of multiple types of light sources, it is recommended to use the custom white balance in order to accurately reproduce the whiteness. You can register 3 settings.

- MENU → (Exposure/Color) → [White Balance] → [White Balance] → Select from among [Custom 1] to [Custom 3], and then press the right side of the control wheel.
- Select SET (custom white balance set), and then press the center of the control wheel.
- Hold the product so that the white area fully covers the white-balance capture frame, and then press the center of the control wheel.

After the shutter sound is heard and the message [Captured the custom WB data.] is displayed, the calibrated values (Color Temperature and Color Filter) are displayed.

- You can adjust the position of the white-balance capture frame by pressing the top/bottom/left/right side of the control wheel.
- After capturing a standard white color, you can display the fine adjustment screen by pressing the right side of the control wheel. You can finely adjust the color tones as needed.
- No shutter sound is produced in the following cases.
 - In the movie recording mode
 - When [Silent Mode] is set to [On]
- Press the center of the control wheel.

The calibrated values will be registered. The monitor returns to the MENU display while retaining the memorized custom white balance setting.

The registered custom white balance setting will remain memorized until overwritten by the another setting.

Note

- The message [Capturing of the custom WB failed.] indicates that the value is in the unexpected range, for example when the subject is too vivid. You can register the setting at this point, but it is recommended that you set the white balance again.
- If you use a flash when capturing a basic white color, the custom white balance will be registered with the lighting from the flash.Be sure to use a flash whenever you shoot with recalled settings that were registered with a flash.

TP1000811387

Help Guide

Digital Camera ZV-1M2

Priority Set in AWB (still image/movie)







Selects which tone to prioritize when shooting under lighting conditions such as incandescent light when [🧣 White Balance] is set to [Auto].





 $\textbf{MENU} \rightarrow \ \ \textbf{[Exposure/Color)} \rightarrow \ \ \textbf{[White Balance]} \rightarrow \ \ \textbf{[Priority Set in AWB]} \rightarrow \ \ \text{desired setting.}$



Menu item details

AWB Standard:

Shoots with standard auto white balance. The camera automatically adjusts the color tones.

Ambience:

Prioritizes the color tone of the light source. This is suitable when you want to produce a warm atmosphere.

White White:

Prioritizes a reproduction of white color when the color temperature of the light source is low.

Related Topic

White Balance (still image/movie)

TP1000819650

Help Guide

Digital Camera ZV-1M2

Shutter AWB Lock







You can set whether or not to lock the white balance while the shutter button is pressed when [White Balance] is set to [Auto] or [Underwater Auto].

This function prevents unintentional changes to the white balance during continuous shooting or when shooting with the shutter button pressed halfway down.



 $\textbf{MENU} \rightarrow \ \ \textbf{[Shutter AWB Lock]} \rightarrow \textbf{[Shutter AWB Lock]} \rightarrow \textbf{desired setting}.$

Menu item details

Shutter Half Press:

Locks the white balance while the shutter button is pressed halfway down, even in the auto white balance mode. The white balance is also locked during continuous shooting.

Cont. Shooting:

Locks the white balance to the setting in the first shot during continuous shooting, even in the auto white balance mode.

Off:

Operates with the normal auto white balance.

About [AWB Lock Hold] and [AWB Lock Toggle]

You can also lock the white balance in the auto white balance mode by assigning [AWB Lock Hold] or [AWB Lock Toggle] to the custom key. If you press the assigned key during shooting, the white balance will be locked.

The [AWB Lock Hold] function locks the white balance by stopping the automatic white balance adjustment while the button is pressed.

The [AWB Lock Toggle] function locks the white balance by stopping the automatic white balance adjustment after the button is pressed once. When you press the button again, the AWB lock is released.

• If you want to lock the white balance while recording a movie in the auto white-balance mode, also assign [AWB Lock Hold] or [AWB Lock Toggle] to the custom key.

Hint

Related Topic

- White Balance (still image/movie)
- Assigning frequently used functions to buttons (Custom Key Setting)

Help Guide

Digital Camera ZV-1M2

Creative Look (still image/movie)

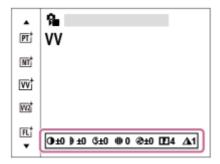






"Look" is a term referring to the looks and impressions of images generated by various factors, such as color, sharpness, brightness, etc. With [Creative Look], you can choose the finish of an image by selecting a preferred look from among preinstalled looks. In addition, you can fine-tune the contrast, highlights, shadows, fade, saturation, sharpness, and clarity for each "Look."

- Select the desired "Look" using the top/bottom of the control wheel.
- To adjust (Contrast), (Highlights), (Shadows), (Fade), (Saturation), (Sharpness) and (Clarity), move to the right using the right side of the control wheel. Select the desired item using the right/left sides, and then select the value using the top/bottom sides.



Menu item details

ST ST:

Standard finish for a wide range of subjects and scenes.

PT PT:

For capturing skin in a soft tone, ideally suited for shooting portraits.

INT NT:

The saturation and sharpness are lowered for shooting images in subdued tones. This is also suitable for capturing image material to be modified with a computer.

vv† VV:

The saturation and contrast are heightened for shooting striking images of colorful scenes and subjects such as flowers, spring greenery, blue sky, or ocean views.

₩ VV2:

Creates an image with bright and vivid colors with rich clarity.

[ft] FL:

Creates an image with moody finish by applying sharp contrast to the calm coloring as well as the impressive sky and colors of the greens.

INT IN:

Creates an image with matte textures by suppressing the contrast and saturation.

sht SH:

Creates an image with bright, transparent, soft, and vivid mood.

BW[†] BW:

For shooting images in black and white monotone.

ret SE

For shooting images in sepia monotone.

To adjust in greater detail

Based on each "Look," items such as contrast can be adjusted to your liking.

Select an item to be set by pressing the right/left sides of the control wheel, then set the value using the top/bottom sides of the control wheel.

When a setting value is changed from the default value, \clubsuit (asterisk) is added next to the "Look" icon displayed on the shooting screen.

Contrast:

The higher the value selected, the more the difference of light and shadow is accentuated, and the bigger the effect on the image. (-9 to +9)

Highlights:

Adjusts the brightness of the bright areas. When a higher value is selected, the image becomes brighter. (-9 to +9)

(\$ Shadows:

Adjusts the darkness of the dark areas. When a higher value is selected, the image becomes brighter. (-9 to +9)

(ii) Fade:

Adjusts the degree of fade. A larger value makes the effect greater. (0 to 9)

Saturation:

The higher the value selected, the more vivid the color. When a lower value is selected, the color of the image is restrained and subdued. (-9 to +9)

Sharpness:

Adjusts the sharpness. The higher the value selected, the more the contours are accentuated, and the lower the value selected, the more the contours are softened. (0 to 9)

▲ Clarity:

Adjusts the degree of clarity. A larger value makes the effect greater. (0 to 9)

To reset adjusted values for each "Look"

Adjusted values such as contrast that you have changed as desired can be collectively reset for each "Look." Press the (delete) button on the adjustment screen for the "Look" that you want to reset. All adjusted values that have been changed will return to their default values.

Hint

For [Sharpness] and [Clarity], take a test shot and either enlarge and play it on the camera monitor, or output it to a playback device to check the effect. Then, readjust the setting if needed.

Note

- [A Creative Look] is fixed to [-] in the following situations:
 - [Picture Profile] is set to other than [Off].
- When this function is set to [BW] or [SE], [Saturation] cannot be adjusted.

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Help Guide

Digital Camera ZV-1M2

Picture Profile (still image/movie)







Allows you to change the settings for the color, gradation, etc.

For details on "Picture Profile," refer to

https://helpguide.sony.net/di/pp/v1/en/index.html

Although [Picture Profile] can be used for both still images and movies, the function is designed mainly for movies.

Customizing the picture profile

You can customize the picture quality by adjusting picture profile items such as [Gamma] and [Detail]. When setting these parameters, connect the camera to a TV or monitor, and adjust them while observing the picture on the screen.

- Move to the item index screen by pressing the right side of the control wheel.
- Select the item to change using the top/bottom sides of the control wheel.
- 4 Select the desired value using the top/bottom sides of the control wheel and press in the center.

Using the preset of the picture profile

The default settings [PP1] through [PP10] for movies have been set in advance in the camera based on various shooting conditions.

 $MENU \rightarrow$ [Color/Tone] \rightarrow [Picture Profile] \rightarrow desired setting.

PP1:

Example setting using [Movie] gamma.

PP2:

Example setting using [Still] gamma.

PP3:

Example setting of natural color tone using the [ITU709] gamma.

PP4:

Example setting of a color tone faithful to the ITU709 standard.

PP5:

Example setting using [Cine1] gamma.

PP6:

Example setting using [Cine2] gamma.

PP7:

Example setting using [S-Log2] gamma.

PP8:

Example setting using the [S-Log3] gamma and the [S-Gamut3.Cine] under [Color Mode].

PP9:

Example setting using the [S-Log3] gamma and the [S-Gamut3] under [Color Mode].

PP10:

Example setting for recording HDR movies using [HLG2] gamma.

HDR movie recording

The camera can record HDR movies when a gamma from [HLG], [HLG1] to [HLG3] is selected in the picture profile. Picture profile preset [PP10] provides an example setting for HDR recording. Movies recorded using [PP10] can be viewed with a wider range of brightness than usual when played back on a TV supporting Hybrid Log-Gamma (HLG). This way, even scenes with a wide range of brightness can be recorded and displayed faithfully, without looking under or over-exposed. HLG is used in HDR TV program production, as defined in the international standard Recommendation ITU-R BT.2100.

Items of the picture profile

Black Level

Sets the black level. (-15 to +15)

Gamma

Selects a gamma curve.

Movie: Standard gamma curve for movies

Still: Standard gamma curve for still images

Cine1: Softens the contrast in dark parts and emphasizes gradation in bright parts to produce a relaxed color movie. (equivalent to HG4609G33)

Cine2: Similar to [Cine1] but optimized for editing with up to 100% video signal. (equivalent to HG4600G30)

ITU709: Gamma curve that corresponds to ITU709.

ITU709(800%): Gamma curve for confirming scenes on the assumption of shooting using [S-Log2] or [S-Log3].

S-Log2: Gamma curve for [S-Log2]. This setting is based on the assumption that the picture will be processed after shooting.

S-Log3: Gamma curve for [S-Log3] with more similar features to film. This setting is based on the assumption that the picture will be processed after shooting.

HLG: Gamma curve for HDR recording. Equivalent to the HDR standard Hybrid Log-Gamma, ITU-R BT.2100.

HLG1: Gamma curve for HDR recording. Emphasizes noise reduction. However, shooting is restricted to a narrower dynamic range than with [HLG2] or [HLG3].

HLG2: Gamma curve for HDR recording. Provides a balance of dynamic range and noise reduction.

HLG3: Gamma curve for HDR recording. Wider dynamic range than [HLG2]. However, noise may increase.

• [HLG1], [HLG2], and [HLG3] all apply a gamma curve with the same characteristics, but each offers a different balance between dynamic range and noise reduction. Each has a different maximum video output level, as follows: [HLG1]: approx. 87%, [HLG2]: approx. 95%, [HLG3]: approx. 100%.

Black Gamma

Corrects gamma in low intensity areas.

[Black Gamma] is fixed at "0" and cannot be adjusted when [Gamma] is set to [HLG], [HLG1], [HLG2], or [HLG3].

Range: Selects the correcting range. (Wide / Middle / Narrow)

Level: Sets the correcting level. (-7 (maximum black compression) to +7 (maximum black stretch))

Knee

Sets knee point and slope for video signal compression to prevent over-exposure by limiting signals in high intensity areas of the subject to the dynamic range of your camera.

When [Gamma] is set to the following, and [Mode] is set to [Auto], [Knee] is unavailable. [Knee] can be used when [Mode] is set to [Manual].

- [Still]
- [Cine1]

- [Cine2]
- [ITU709(800%)]
- [S-Log2]
- [S-Log3]
- [HLG]
- [HLG1]
- [HLG2]
- [HLG3]

Mode: Selects auto/manual settings.

- Auto: The knee point and slope are set automatically.
- Manual: The knee point and slope are set manually.

Auto Set: Settings when [Auto] is selected for [Mode].

- Max Point: Sets the maximum point of the knee point. (90% to 100%)
- Sensitivity: Sets the sensitivity. (High / Mid / Low)

Manual Set: Settings when [Manual] is selected for [Mode].

- Point: Sets the knee point. (75% to 105%)
- Slope: Sets the knee slope. (-5 (gentle) to +5 (steep))

Color Mode

Sets type and level of colors.

In [Color Mode], only [BT.2020] and [709] are available when [Gamma] is set to [HLG], [HLG1], [HLG2], or [HLG3].

Movie: Suitable colors when [Gamma] is set to [Movie].

Still: Suitable colors when [Gamma] is set to [Still].

Cinema: Suitable colors when [Gamma] is set to [Cine1] or [Cine2].

Pro: Similar color tones to the standard image quality of Sony professional cameras (when combined with ITU709 gamma)

ITU709 Matrix: Colors corresponding to ITU709 standard (when combined with ITU709 gamma)

Black & White: Sets the saturation to zero for shooting in black and white.

S-Gamut: Setting based on the assumption that the pictures will be processed after shooting. Used when [Gamma] is set to [S-Log2].

S-Gamut3.Cine: Setting based on the assumption that the pictures will be processed after shooting. Used when [Gamma] is set to [S-Log3]. This setting allows you to shoot in a color space that can easily be converted for digital cinema.

S-Gamut3: Setting based on the assumption that the pictures will be processed after shooting. Used when [Gamma] is set to [S-Log3]. This setting allows you to shoot in a wide color space.

BT.2020: Standard color tone when [Gamma] is set to [HLG], [HLG1], [HLG2], or [HLG3].

709: Color tone when [Gamma] is set to [HLG], [HLG1], [HLG2], or [HLG3] and movies are recorded with HDTV color (BT.709).

Saturation

Sets the color saturation. (-32 to +32)

Color Phase

Sets the color phase. (-7 to +7)

Color Depth

Sets the color depth for each color phase. This function is more effective for chromatic colors and less effective for achromatic colors. The color looks deeper as you increase the setting value towards the positive side, and lighter as you decrease the value towards the negative side. This function is effective even if you set [Color Mode] to [Black & White].

[R] -7 (light red) to +7 (deep red)

[G] -7 (light green) to +7 (deep green)

[B] -7 (light blue) to +7 (deep blue)

[C] -7 (light cyan) to +7 (deep cyan)

[M] -7 (light magenta) to +7 (deep magenta)

[Y] -7 (light yellow) to +7 (deep yellow)

Detail

Sets items for [Detail].

Level: Sets the [Detail] level. (-7 to +7)

Adjust: The following parameters can be selected manually.

- Mode: Selects auto/manual setting. (Auto (automatic optimization) / Manual (The details are set manually.))
- V/H Balance: Sets the vertical (V) and horizontal (H) balance of DETAIL. (-2 (off to the vertical (V) side) to +2 (off to the horizontal (H) side))
- B/W Balance: Selects the balance of the lower DETAIL (B) and the upper DETAIL (W). (Type1 (off to the lower DETAIL (B) side) to Type5 (off to the upper DETAIL (W) side))
- Limit: Sets the limit level of [Detail]. (0 (Low limit level: likely to be limited) to 7 (High limit level: unlikely to be limited))
- Crispening: Sets the crispening level. (0 (shallow crispening level) to 7 (deep crispening level))
- Hi-Light Detail: Sets the [Detail] level in the high intensity areas. (0 to 4)

To copy the settings to another picture profile number

You can copy the settings of the picture profile to another picture profile number.

 $\mathsf{MENU} \to \mathbf{\Xi} \ (\mathsf{Exposure/Color}) \to [\mathsf{Color/Tone}] \to [\mathbf{\P} \ \mathsf{Picture} \ \mathsf{Profile}] \to \mathsf{desired} \ \mathsf{setting} \to [\mathsf{Copy}].$

To reset the picture profile to the default setting

You can reset the picture profile to the default setting. You cannot reset all picture profile settings at once.

Note

- Movie shooting and still image shooting share the same setting values. Adjust the setting values when you switch shooting modes
- If you develop RAW images with shooting settings, the following settings are not reflected:
 - Black Level
 - Black Gamma
 - Knee
 - Color Depth
- If you change [Gamma], the available ISO value range changes.
- When using the S-Log2 or S-Log3 gamma, noise becomes more noticeable compared to when using other gammas. If the noise is still considerable even after processing the images, it may be improved by shooting with a brighter setting. However, the dynamic range becomes narrower accordingly when you shoot with a brighter setting. We recommend checking the picture in advance by test shooting when using S-Log2 or S-Log3.
- Setting [ITU709(800%)], [S-Log2] or [S-Log3] may cause an error in the white balance custom setup. In this case, perform custom setup with a gamma other than [ITU709(800%)], [S-Log2], or [S-Log3] first, and then reselect [ITU709(800%)], [S-Log2], or [S-Log3] gamma.
- When set to [ITU709(800%)], [S-Log2], or [S-Log3], the settings for [Black Level] become disabled.
- If you set [Slope] to +5 in [Manual Set] under [Knee], [Knee] will be disabled.
- S-Gamut, S-Gamut3. Cine, and S-Gamut3 are color spaces exclusive to Sony. However, this camera's S-Gamut setting does not support the whole S-Gamut color space; it is a setting to achieve a color reproduction equivalent to S-Gamut.

Related Topic

Gamma Display Assist

Help Guide

Digital Camera ZV-1M2

Soft Skin Effect (still image/movie)







Sets the effect used for shooting the skin smoothly when a face is recognized.





 $MENU \rightarrow$ (Exposure/Color) \rightarrow [Color/Tone] \rightarrow [\P Soft Skin Effect] \rightarrow desired setting.

Menu item details

Off:

Does not use the [Range Soft Skin Effect] function.

Uses the [🧣 Soft Skin Effect]. You can set the effect level by pressing the right/left side of the control wheel. ([On: High]/[On: Mid]/[On: Low])

Note

- [Soft Skin Effect] is not available when [The Format] is set to [RAW].
- [Soft Skin Effect] is not available for RAW images when [To File Format] is set to [RAW & JPEG].
- [Soft Skin Effect] is not available when using the digital zoom function.
- [Soft Skin Effect] is unavailable in the movie recording mode under the following conditions.
 - -[] File Format] is set to [XAVC S 4K], and [Px Proxy Recording] under [Px Proxy Settings] is set to [On].
 - [▶ File Format] is set to [XAVC S 4K], [Rec Frame Rate] under [▶ Movie Settings] is set to [30p], and [Rec. Media dur HDMI Output] under [) HDMI Output Settings] is set to [On].
 - [] File Format] is set to [XAVC S 4K] and connecting to the camera from a computer, etc.
 - File Format] is set to [XAVC S 4K] while shooting remotely from a smartphone.
 - [▶ File Format] is set to [XAVC S HD], and [Rec Frame Rate] under [▶ Movie Settings] is set to [120p]/[100p].
- [Note: Soft Skin Effect] is not applied on the monitor while shooting in the movie recording mode when [I File Format] is set to
 [Note: Skin Effect] is not applied on the monitor while shooting in the movie recording mode when [I File Format] is set to
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 [Note: Skin Effect] is not applied on the monitor while shooting in the movie recording mode when [I File Format] is set to be a simple shooting mode when [I File Format] is set to be a simple shooting mode when [I File Format] is set to be a simple shooting mode when [I File Format] is set to be a simple shooting mode when [I File Format] is set to be a simple shooting mode when [I File Format] is set to be a simple shooting mode when [I File Format] is set to be a simple shooting mode when [I File Format] is set to be a simple shooting mode when [I File Format] is set to be a simple shooting mode when [I File Format] is set to be a simple shooting mode when [I File Format] is set to be a simple shooting mode when [I File Format] is set to be a simple shooting mode when [I File Format] is set to be a simple shooting mode when [I File Format] is set to be a simple shooting mode when [I File Format] is set to be a simple shooting mode when [I File Format] is set to be a simple shooting mode when [I File Format] is set to be a simple shooting mode when [I File Format] is set to be a simple shooting mode [XAVC S 4K], but the effect will be applied to the recorded images.

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Help Guide

Digital Camera ZV-1M2

Drive Mode







Select the appropriate mode for the subject, such as single shooting, continuous shooting or bracketing shooting.

- - You can also set the drive mode by selecting MENU \rightarrow [\bigcirc] (Shooting) \rightarrow [Drive Mode] \rightarrow [Drive Mode].
- Select the desired mode using the right/left side of the control wheel.

Menu item details

Normal shooting mode.

□ Cont. Shooting:

Shoots images continuously while you press and hold down the shutter button.

Self-timer(Single):

Shoots an image using the self-timer after a designated number of seconds have elapsed since the shutter button was pressed.

Self-timer(Cont):

Shoots a designated number of images using the self-timer after a designated number of seconds have elapsed since the shutter button was pressed.

BRKC Cont. Bracket:

Shoots images while holding the shutter button down, each with different degrees of exposure.

BRKS Single Bracket:

Shoots a specified number of images, one by one, each with a different degrees of exposure.

BRKWB WB bracket:

Shoots a total of three images, each with different color tones according to the selected settings for white balance, color temperature and color filter.

BRKIDRO DRO Bracket:

Shoots a total of three images, each at a different degree of D-Range Optimizer.

Note

When the shooting mode is set to [Scene Selection] and [Sports Action] is selected, [Single Shooting] cannot be performed.

Related Topic

- Cont. Shooting
- Self-timer(Single)
- Self-timer(Cont)
- Cont. Bracket
- Single Bracket
- WB bracket

Help Guide

Digital Camera ZV-1M2

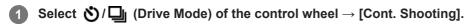
Cont. Shooting







Shoots images continuously while you press and hold down the shutter button.



You can also set the continuous shooting by selecting MENU → [O] (Shooting) → [Drive Mode] → [Drive Mode].

Select the desired mode using the right/left side of the control wheel.

Menu item details

☐Hi Continuous Shooting: Hi:

Continuous shooting speed is set at a maximum of about 24 images per second.*

☐ Continuous Shooting: Mid:

Continuous shooting speed is set at a maximum of about 10 images per second.*

□_{Lo} Continuous Shooting: Lo:

Continuous shooting speed is set at a maximum of about 3 images per second.

* When the F-value is greater than F8, the focus is locked to the setting in the first shot.

Hint

- To continuously adjust the focus and exposure during continuous shooting, set as follows:
 - [n Focus Mode]: [Continuous AF]

Related Topic

Selecting the focus method (Focus Mode)

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Help Guide

Digital Camera ZV-1M2

Self-timer(Single)







Shoots an image using the self-timer after a designated number of seconds have elapsed since the shutter button was pressed. Use the 5-second/10-second self-timer when you are going to be in the picture, and use the 2-second self-timer to reduce camera-shake caused by pressing the shutter button.

- Press δ / \square (Drive Mode) of the control wheel \rightarrow [Self-timer(Single)].
 - You can also set the drive mode by selecting MENU → [O] (Shooting) → [Drive Mode] → [Drive Mode].
- Select the desired mode using the right/left side of the control wheel.
- Adjust the focus and shoot the image.

The self-timer lamp flashes, a beep sounds, and a picture is taken after the designated number of seconds have elapsed.

Menu item details

The mode determines the number of seconds until a picture is taken after the shutter button is pressed.

ა10 Self-timer(Single): 10 sec აენ Self-timer(Single): 5 sec აენ Self-timer(Single): 2 sec

Hint

- Press the shutter button again or press 🐧 🖳 (Drive Mode) on the control wheel to stop the count of the self-timer.
- Press 🐧 🖳 (Drive Mode) on the control wheel and select 🔲 (Single Shooting) to cancel the self-timer.
- Set [Audio signals] to [Off] to turn off the beeping sound during the self-timer countdown.
- To use the self-timer in bracket mode, select bracket mode under drive mode, then select MENU → (Shooting) → [Drive Mode] → [Bracket Settings] → [Selftimer during Bracket].

Note

- The self-timer is unavailable in the following situations:
 - [Sports Action] under [Scene Selection]

Related Topic

Audio signals

Help Guide

Digital Camera ZV-1M2

Self-timer(Cont)







Shoots a designated number of images using the self-timer after a designated number of seconds have elapsed since the shutter button was pressed. You can choose the best from multiple shots.

- Press \lozenge / \square (Drive Mode) of the control wheel \rightarrow [Self-timer(Cont)].
 - You can also set the drive mode by selecting MENU → [O] (Shooting) → [Drive Mode] → [Drive Mode].
- Select the desired mode using the right/left side of the control wheel.
- Adjust the focus and shoot the image.

The self-timer lamp flashes, a beep sounds, and pictures are taken after the designated number of seconds has elapsed. The designated number of pictures are taken continuously.

Menu item details

For example, three images are shot when 10 seconds have elapsed after the shutter button is pressed when [Selftimer(Cont.): 10 Sec. 3 Img.] is selected.

- ტეც Self-timer(Cont.): 10 Sec. 3 lmg.
- ©_{10s} Self-timer(Cont.): 10 Sec. 5 Img.
- ర్యక్తి Self-timer(Cont.): 5 Sec. 3 Img.
- ర్మ్ Self-timer(Cont.): 5 Sec. 5 lmg.
- ర్మిక Self-timer(Cont.): 2 Sec. 3 Img.
- ర్మిక Self-timer(Cont.): 2 Sec. 5 Img.

Hint

- Press the shutter button again or press 🐧 🖳 (Drive Mode) on the control wheel to stop the count of the self-timer.
- Press ♦ / □ (Drive Mode) on the control wheel and select ☐ (Single Shooting) to cancel the self-timer.

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Help Guide

Digital Camera ZV-1M2

Cont. Bracket







Shoots multiple images while automatically shifting the exposure from base to darker and then to lighter. You can select an image that suits your purpose after recording.

- - You can also set the drive mode by selecting MENU \rightarrow [\bigcirc] (Shooting) \rightarrow [Drive Mode] \rightarrow [Drive Mode].
- Select the desired mode using the right/left side of the control wheel.
- 3 Adjust the focus and shoot the image.
 - Keep pressing and holding the shutter button until bracket shooting is finished.

Menu item details

For example, the camera shoots a total of three images continuously with an exposure value shifted by plus or minus 0.3 EV when [Cont. Bracket: 0.3EV 3 Image] is selected.

Hint

The last shot is shown on the auto review.

Note

- When [ISO AUTO] is selected in [Manual Exposure] mode, the exposure is changed by adjusting the ISO value. If a setting other than [ISO AUTO] is selected, the exposure is changed by adjusting the shutter speed.
- When the exposure is compensated, the exposure is shifted based on the compensated value.
- Bracket shooting is unavailable in the following shooting modes:
 - [Intelligent Auto]
 - [Scene Selection]
 - When [♣ Picture Profile] is set to other than [Off]
- When the flash is used, the product performs flash bracket shooting, which shifts the amount of flash light even if [Cont. Bracket] is selected. Press the shutter button for each image.

Related Topic

- Bracket Settings
- Indicator during bracket shooting

Help Guide

Digital Camera ZV-1M2

Single Bracket







Shoots multiple images while automatically shifting the exposure from base to darker and then to lighter. You can select the image that suits your purpose after recording.

Since a single picture is taken each time you press the shutter button, you can adjust the focus or the composition for each shot.

- **1** Select \bigcirc / \square (Drive Mode) of the control wheel \rightarrow [Single Bracket].
 - $\begin{tabular}{ll} \hline \begin{tabular}{ll} \hline \end{tabular} \$
- Select the desired mode using the right/left side of the control wheel.
- Adjust the focus and shoot the image.
 - Press the shutter button for each image.

Menu item details

For example, when [Single Bracket: 0.3EV 3 Image] is selected, three images are shot one at a time with the exposure value shifted up and down in increments of 0.3 EV.

Note

- When [ISO AUTO] is selected in [Manual Exposure] mode, the exposure is changed by adjusting the ISO value. If a setting other than [ISO AUTO] is selected, the exposure is changed by adjusting the shutter speed.
- When the exposure is compensated, the exposure is shifted based on the compensated value.
- Bracket shooting is unavailable in the following shooting modes:
 - [Intelligent Auto]
 - [Scene Selection]
 - When [♣ Picture Profile] is set to other than [Off]

Related Topic

- Bracket Settings
- Indicator during bracket shooting

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Help Guide

Digital Camera ZV-1M2

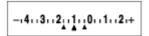
Indicator during bracket shooting

On the [Display All Info.] or [Histogram] screen, you can use the bracket indicator to confirm the bracket shooting settings.

Ambient light* bracketing 3 images shifted by 0.3 EV steps Exposure compensation ±0.0 EV



Flash bracketing 3 images shifted by 0.7 EV steps Flash compensation -1.0 EV



* Ambient light: A generic term for non-flash light including natural light, electric bulb and fluorescent lighting. Whereas the flash light blinks for a moment, ambient light is constant, so this kind of light is called "ambient light."

Hint

- During bracket shooting, guides equal to the number of images to be shot are displayed over/under the bracket indicator.
- When you start single bracket shooting, the guides will disappear one by one as the camera records images.

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Help Guide

Digital Camera ZV-1M2

WB bracket







Shoots a total of three images, each with different color tones according to the selected settings for white balance, color temperature and color filter.

- Select $\begin{cases} \begin{cases} \begin{$
 - You can also set the drive mode by selecting MENU \rightarrow [\bigcirc] (Shooting) \rightarrow [Drive Mode] \rightarrow [Drive Mode].
- Select the desired mode using the right/left side of the control wheel.
- 3 Adjust the focus and shoot the image.

Menu item details

BAX WB White Balance Bracket: Lo:

Records a series of three images with small changes in the white balance (within the range of 10MK^{-1*}).

BRINWB White Balance Bracket: Hi:

Records a series of three images with large changes in the white balance (within the range of 20MK^{-1*}).

* MK⁻¹ is the unit that indicates the capability of color temperature conversion filters and indicates the same value as "mired."

Hint

The last shot is shown on the auto review.

Related Topic

Bracket Settings

TP1000810053

Help Guide

Digital Camera ZV-1M2

DRO Bracket



You can record a total of three images, each at a different degree of D-Range Optimizer value.

- - You can also set the drive mode by selecting MENU \rightarrow [\bigcirc] (Shooting) \rightarrow [Drive Mode] \rightarrow [Drive Mode].
- Select the desired mode using the right/left side of the control wheel.
- Adjust the focus and shoot the image.

Menu item details

BRIORO DRO Bracket: Lo:

Records a series of three images with small changes in the D-Range Optimizer value (Lv 1, Lv 2, and Lv 3).

BRIGHTON DRO Bracket: Hi:

Records a series of three images with large changes in the D-Range Optimizer value (Lv 1, Lv 3, and Lv 5).

Hint

The last shot is shown on the auto review.

Related Topic

Bracket Settings

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Help Guide

Digital Camera ZV-1M2

Bracket Settings







You can set the self-timer in bracket shooting mode, and the shooting order for exposure bracketing and white balance bracketing.



 $\textbf{MENU} \rightarrow \text{$\lceil \circlearrowleft \rceil$ (Shooting)} \rightarrow \text{[Drive Mode]} \rightarrow \text{[Bracket Settings]} \rightarrow \text{desired setting.}$

Menu item details

Selftimer during Bracket:

Sets whether to use the self-timer during bracket shooting. Also sets the number of seconds until the shutter is released if using the self-timer.

(Off/2 Sec/5 Sec/10 Sec)

Bracket order:

Sets the order of exposure bracketing and white balance bracketing.

$$(0 \rightarrow - \rightarrow +/- \rightarrow 0 \rightarrow +)$$

Related Topic

- Cont. Bracket
- Single Bracket
- WB bracket
- DRO Bracket

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Help Guide

Digital Camera ZV-1M2

Self-timer (movie)







You can start shooting with the self-timer when recording a movie.

Press 👏 / 🖳 (Drive Mode) of the control wheel.

The [) Self-timer] setting screen will be displayed.

- Select [On] using the control wheel and set the desired countdown time.
 - Rec Start delay: Sets the count time until the start of movie recording. (3 s/5 s/10 s)
 - Repetition: Sets whether to repeat the movie self-timer. (Repeat/Only Once)
 If you select [Repeat], the movie self-timer will be activated repeatedly even after movie recording is completed.
 If you select [Only Once], the movie self-timer will be canceled after movie recording is completed, and the camera will return to the normal movie recording standby mode.
- 3 Adjust the focus and press the MOVIE (movie) button.

When the countdown appears on the recording standby screen, the self-timer lamp flashes, a beep sounds, and recording starts after the designated number of seconds has elapsed.

Press the MOVIE button again to end recording.

Menu item details

On:

Uses the movie self-timer function.

Off:

Does not use the movie self-timer function.

Hint

■ To stop the self-timer countdown, press the MOVIE button again or press the button to which the [► Self-timer] function is assigned.

Note

If you press the MOVIE button in the still image shooting mode to start movie recording, [▶■ Self-timer] will not work.

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Help Guide

Digital Camera ZV-1M2

Interval Shoot Func.







You can automatically shoot a series of still images with the shooting interval and number of shots that you set in advance (Interval shooting). You can then create a time-lapse movie from the still images produced by interval shooting using the computer software Imaging Edge Desktop (Viewer). You cannot create a movie from the still images on the camera.

For details on time-lapse movies, refer to the support page for Imaging Edge Desktop. https://www.sony.net/disoft/help/

- MENU → (Shooting) → [Drive Mode] → [Interval Shoot Func.] → Select an item to set, and then select the desired setting.
- Press the shutter button.

When the time set for [Shooting Start Time] has elapsed, shooting will start.

• When the number of shots set for [Number of Shots] is completed, the camera will return to the standby screen for interval shooting.

Menu item details

Interval Shooting:

Sets whether to perform interval shooting. ([Off]/[On])

Shooting Start Time:

Sets the time from when you press the shutter button to when interval shooting starts. (1 second to 99 minutes 59 seconds)

Shooting Interval:

Sets the shooting interval (time from when one exposure starts to when the exposure for the next shot starts). (1 second to 60 seconds)

Number of Shots:

Sets the number of shots for interval shooting. (1 shot to 9 999 shots)

AE Tracking Sensitivity:

Sets the tracking sensitivity of the auto exposure against the change in luminance during interval shooting. If you select [Low], exposure changes during interval shooting will be smoother. ([High]/[Mid]/[Low])

Hint

- If you press the shutter button during interval shooting, interval shooting will end and the camera will return to the standby screen for interval shooting.
- To return to the normal shooting mode, set [Interval Shooting] to [Off].
- If you press a key to which one of the following functions has been assigned at the moment when shooting starts, the function will remain active during interval shooting even without you holding down the button.

- [AEL hold]
- -[■ AEL hold]
- [AF/MF Selector Hold]
- [AWB Lock Hold]
- If you set [Display as Group] to [On], still images shot with the interval shooting function will be displayed in groups.
- Still images shot with interval shooting can be played back continuously on the camera. If you intend to create a movie using the still images, you can preview the result.

Note

- You may not be able to record the set number of images depending on the remaining battery level and the amount of free space on the recording medium. Supply power via USB while shooting, and use a memory card with sufficient space.
- When the shooting interval is short, the camera may get hot easily. Depending on the ambient temperature, you may not be able to record the set number of images because the camera may stop recording to protect the equipment.
- During interval shooting (including the time between pressing the shutter button and the start of shooting), you cannot operate the dedicated shooting setting screen or MENU screen. Some settings such as shutter speed can be set by operating the part of the control wheel to which the function is assigned.
- During interval shooting, auto review is not displayed.

Related Topic

- Cont. Play for Interval
- Supplying power from a wall outlet (wall socket)

TP1000827000

Help Guide

Digital Camera ZV-1M2

File Format (still image)







Sets the file format for still images.





 $MENU \rightarrow []$ (Shooting) \rightarrow [Image Quality/Rec] \rightarrow [[] File Format] \rightarrow desired setting.

Menu item details

RAW:

Digital processing is not performed on this file format. Select this format to process images on a computer for professional purposes.

RAW & JPEG:

A RAW image and a JPEG image are created at the same time. This is suitable when you need two image files, a JPEG for viewing, and a RAW for editing.

JPEG:

The image is recorded in the JPEG format.

About RAW images

- To open a RAW image file recorded with this camera, the software Imaging Edge Desktop is needed. With Imaging Edge Desktop, you can open a RAW image file, then convert it into a popular image format such as JPEG or TIFF, or readjust the white balance, saturation or contrast of the image.
- RAW images shot by the camera are recorded in the compressed RAW format.

Note

If you do not intend to edit the images on your computer, we recommend that you record in JPEG format.

Related Topic

- JPEG Quality
- JPEG Image Size
- Introduction to computer software (Imaging Edge Desktop/Catalyst)

TP1000825872

Help Guide

Digital Camera ZV-1M2

JPEG Quality







Selects the image quality when recording JPEG images.



 $\texttt{MENU} \rightarrow \boxed{\bigcirc} \ (\texttt{Shooting}) \rightarrow \texttt{[Image Quality/Rec]} \rightarrow \texttt{[JPEG Quality]} \rightarrow \texttt{desired setting}.$

Menu item details

Extra fine/Fine/Standard:

Since the compression rate increases from [Extra fine] to [Fine] to [Standard], the file size decreases in the same order. This allows more files to be recorded on one memory card, but the image quality is lower.

Related Topic

File Format (still image)

TP1000825899

Help Guide

Digital Camera ZV-1M2

JPEG Image Size







The larger the image size, the more detail will be reproduced when the image is printed on large-format paper. The smaller the image size, the more images can be recorded.





Menu item details

When [Aspect Ratio] is set to 3:2

Setting values	Pixel number (horizontal×vertical)	
L: 20M	5472×3648 pixels	
M: 10M	3888×2592 pixels	
S: 5.0M	2736×1824 pixels	

When [Aspect Ratio] is set to 4:3

Setting values	Pixel number (horizontal×vertical)	
L: 18M	4864×3648 pixels	
M: 10M	3648×2736 pixels	
S: 5.0M	2592×1944 pixels	

When [Aspect Ratio] is set to 16:9

Setting values	Pixel number (horizontal×vertical)	
L: 17M	5472×3080 pixels	
M: 7.5M	3648×2056 pixels	
S: 4.2M	2720×1528 pixels	

When [Aspect Ratio] is set to 1:1

Setting values	Pixel number (horizontal×vertical)	
L: 13M	3648×3648 pixels	
M: 6.5M	2544×2544 pixels	
S: 3.7M	1920×1920 pixels	

Note

The image size for RAW images corresponds to "L."

Related Topic

- File Format (still image)
- Aspect Ratio

TP1000825873

Help Guide

Digital Camera ZV-1M2

Aspect Ratio









Menu item details

3:2:

Same aspect ratio as 35 mm film

4:3

The aspect ratio is 4:3.

16:9:

The aspect ratio is 16:9.

1:1:

The aspect ratio is 1:1.

TP1000810730

Help Guide

Digital Camera ZV-1M2

Color Space







The way colors are represented using combinations of numbers or the range of color reproduction is called "color space." You can change the color space depending on the purpose of the image.



 $\textbf{MENU} \rightarrow \textbf{[O]} \text{ (Shooting)} \rightarrow \textbf{[Image Quality/Rec]} \rightarrow \textbf{[Color Space]} \rightarrow \textbf{desired setting.}$

Menu item details

sRGB:

This is the standard color space of the digital camera. Use [sRGB] in normal shooting, such as when you intend to print out the images without any modification.

AdobeRGB:

This color space has a wide range of color reproduction. When a large part of the subject is vivid green or red, Adobe RGB is effective. The file name of the recorded image starts with "_."

Note

- [AdobeRGB] is for applications or printers that support color management and DCF2.0 option color space. Images may not be printed or viewed in the correct colors if you use applications or printers that do not support Adobe RGB.
- When displaying images that were recorded with [AdobeRGB] on non-Adobe RGB-compliant devices, the images will be displayed with low saturation.

TP1000787294

Help Guide

Digital Camera ZV-1M2

File Format (movie)







Selects the movie file format.



Menu item details

) File Format	Characteristics	
XAVC S 4K	Records movies in 4K resolution (3840×2160).	
XAVC S HD	Records movies in HD resolution (1920×1080).	

Related Topic

Memory cards that can be used

TP1000811383

Help Guide

Digital Camera ZV-1M2

Movie Settings (movie)







Sets the frame rate, bit rate, color information, etc.

MENU → \bigcirc / ▶ (Shooting) → [Image Quality/Rec] → [▶ Movie Settings] → [Rec Frame Rate] → desired setting.

2 MENU \rightarrow \bigcirc / \blacktriangleright (Shooting) \rightarrow [Image Quality/Rec] \rightarrow [\blacktriangleright Movie Settings] \rightarrow [Record Setting] \rightarrow desired setting.

Example of setting values

- (A): Bit rate
- (B): Color sampling
- (C): Bit depth
 - The higher the bit rate, the higher the image quality.

Menu item details

When [) File Format] is set to [XAVC S 4K]

Rec Frame Rate	Record Setting	Size	Movie compression format
30p/25p	100M 4:2:0 8bit	3840×2160	Long GOP
30p/25p	60M 4:2:0 8bit	3840×2160	Long GOP
24p*	100M 4:2:0 8bit	3840×2160	Long GOP
24p*	60M 4:2:0 8bit	3840×2160	Long GOP

^{*} Only when [NTSC/PAL Selector] is set to NTSC.

When [) File Format] is set to [XAVC S HD]

Rec Frame Rate	Record Setting	Size	Movie compression format
60p/50p	50M 4:2:0 8bit	1920×1080	Long GOP
60p/50p	25M 4:2:0 8bit	1920×1080	Long GOP

Rec Frame Rate	Record Setting	Size	Movie compression format
30p/25p	50M 4:2:0 8bit	1920×1080	Long GOP
30p/25p	16M 4:2:0 8bit	1920×1080	Long GOP
24p*	50M 4:2:0 8bit	1920×1080	Long GOP
120p/100p	100M 4:2:0 8bit	1920×1080	Long GOP
120p/100p	60M 4:2:0 8bit	1920×1080	Long GOP

^{*} Only when [NTSC/PAL Selector] is set to NTSC.

Note

Recording frame rates are indicated as the closest integer values. The actual corresponding frame rates are as follows: 24p: 23.98 fps, 30p: 29.97 fps, 60p: 59.94 fps, and 120p: 119.88 fps.

Related Topic

File Format (movie)

TP1000811382

Help Guide

Digital Camera ZV-1M2

S&Q Settings







You can record a moment that cannot be captured by the naked eye (slow-motion recording), or record a long-term phenomenon into a compressed movie (quick-motion recording). For example, you can record an intense sports scene, the moment when a bird starts to fly, a blooming flower, and a changing view of clouds or a starry sky. Sound will not be recorded.

- 1 Press the Still/Movie/S&Q button to select the slow-motion/quick-motion recording mode.
- MENU → ► (Shooting) → [Shooting Mode] → [Sto Shoot Mode] → and select the desired setting of slow-motion/quick-motion (Intelligent Auto, Program Auto, Aperture Priority, Shutter Priority, or Manual Exposure).
- Press the MOVIE (movie) button to start recording.
 - Press the MOVIE button again to stop recording.

Menu item details

S&Q Rec Frame Rate:

Selects the frame rate of the movie.

S&Q Frame Rate:

Selects the frame rate for movie shooting.

■ The format of the recorded movie will be locked to [XAVC S HD] regardless of the [► File Format] setting.

Playback speed

The playback speed will vary as below depending on the [S&Q Rec Frame Rate] and [S&Q Frame Rate] settings.

When [NTSC/PAL Selector] is set to NTSC

S&Q Frame Rate	S&Q Rec Frame Rate: 24p	S&Q Rec Frame Rate: 30p	S&Q Rec Frame Rate: 60p
120fps	5 times slower	4 times slower	_
60fps	2.5 times slower	2 times slower	Normal playback speed
30fps	1.25 times slower	Normal playback speed	2 times quick
15fps	1.6 times quick	2 times quick	4 times quick

S&Q Frame Rate	S&Q Rec Frame Rate: 24p	S&Q Rec Frame Rate: 30p	S&Q Rec Frame Rate: 60p
8fps	3 times quick	3.75 times quick	7.5 times quick
4fps	6 times quick	7.5 times quick	15 times quick
2fps	12 times quick	15 times quick	30 times quick
1fps	24 times quick	30 times quick	60 times quick

When [NTSC/PAL Selector] is set to PAL

S&Q Frame Rate	S&Q Rec Frame Rate: 25p	S&Q Rec Frame Rate: 50p
100fps	4 times slower	_
50fps	2 times slower	Normal playback speed
25fps	Normal playback speed	2 times quick
12fps	2.08 times quick	4.16 times quick
6fps	4.16 times quick	8.33 times quick
3fps	8.33 times quick	16.66 times quick
2fps	12.5 times quick	25 times quick
1fps	25 times quick	50 times quick

• When the frame rate is set to [120fps]/[100fps], you cannot set the recording frame rate to [60p]/[50p].

Hint

- For an estimation of recordable time, refer to "Recordable movie times."
- The bit rate of recorded movies differs depending on the settings for [Sto Frame Rate] and [Sto Rec Frame Rate].

Note

- In slow-motion/quick-motion recording, the actual shooting time differs from the time recorded in the movie. The recordable time displayed toward the top of the monitor shows the remaining recording time for the movie, not the remaining recording time on the memory card.
- In slow-motion recording, the shutter speed becomes faster and you may not be able to obtain the proper exposure. If this happens, decrease the aperture value or set the ISO sensitivity to a higher value.
- During slow-motion/quick-motion recording, the following functions are not available.
 - [Time Code Run] under [TC/UB]
 - [Time Code Output] under [HDMI Output Settings]

Related Topic

- Recordable movie times
- Memory cards that can be used

Help Guide

Digital Camera ZV-1M2

Proxy Settings







You can simultaneously record a low-bit-rate proxy movie when recording a movie or slow-motion recording/quick-motion recording.

Since proxy movies are small in file size, they are suitable for transferring to smartphones or uploading to websites.



MENU \rightarrow [Image Quality/Rec] \rightarrow [Px Proxy Settings] \rightarrow Select an item to set, and then select the desired setting.

Menu item details



Selects whether to simultaneously record proxy movies. ([On] / [Off])

Recording settings for proxy movies

Proxy movies are recorded with the following settings.

File format:

XAVC S HD

Recording size:

1280×720

Recording frame rate:

Max. 60p/Max. 50p

Recording settings:

9Mbps

Compression codec:

MPEG-4 AVC/H.264

Hint

Proxy movies are not displayed on the playback screen (single-image playback screen or image index screen).
Px (proxy) is displayed over movies for which a proxy movie was simultaneously recorded.

Note

- Proxy movies cannot be played back on this camera.
- Proxy recording is not available in the following situations.
 Normal movie recording
 - [Rec Frame Rate] is set to [120p]/[100p]

Slow-motion recording/quick-motion recording

- The frame rate is set to [120fps]/[100fps]

- Deleting/protecting movies that have proxy movies removes/protects both the original and proxy movies. You cannot delete/protect only original movies or proxy movies.
- Movies cannot be edited on this camera.

Related Topic

Memory cards that can be used

TP1000825149

Help Guide

Digital Camera ZV-1M2

Touch Operation







Sets whether or not to activate touch operations on the monitor.



Menu item details

On:

Activates touch operations.

Off:

Deactivates touch operations.

Related Topic

- Touch panel
- Shooting Screen
- Playback Screen
- Menu Screen

TP1000819594

Help Guide

Digital Camera ZV-1M2

Shooting Screen







Configures touch operations on the shooting screen.





 $MENU \rightarrow \rightarrow (Setup) \rightarrow [Touch Operation] \rightarrow [Shooting Screen] \rightarrow desired setting item.$

Menu item details

Shooting Screen:

Sets whether to enable touch operations on the shooting screen. ([On]/[Off])

Footer Icon Touch:

Sets whether to enable touch operations for the footer icons at the bottom of the shooting standby screen. ([On]/[Off])

Swipe Right:

Sets the operation when swiping right on the shooting standby screen. ([Icon Display: Left]/[Icon Display: L&R]/[Off])

Swipe Left:

Sets the operation when swiping left on the shooting standby screen. ([Icon Display: Right]/[Icon Display: L&R]/[Off])

Swipe Up:

Sets the operation when swiping up on the shooting standby screen. ([Open the Fn Menu]/[Off])

Touch Func. in Shooting:

Sets the operation activated by touching the screen during shooting.

[Touch Focus]: Specifies the position to focus.

[Touch Tracking]: Selects a subject to start tracking.

[Touch Shutter]: Focuses on the touched subject and shoots images (only during still image shooting).

[Touch AE]: Specifies the position to adjust the brightness.

[Off]: Disables touch operations.

Icon When Monitor Flipped:

Sets whether to flip the positions of the touch function icons on the left and right in accordance with the monitor when the monitor is flipped. ([Flip]/[Do Not Flip])

Hint

You can select whether to simultaneously perform [Touch AE] by pressing the left/right sides of the control wheel when [Touch Func. in Shooting] is set to [Touch Focus]/[Touch Tracking]/[Touch Shutter]. When you perform [Touch AE], you can fine-tune the brightness by sliding the brightness adjustment bar that appears after touching.

Note

You cannot fine-tune the brightness using the brightness adjustment bar when [Touch Func. in Shooting] is set to [Touch Shutter+AE].

Related Topic

- Touch panel
- Touch Operation
- Focusing using touch operations (Touch Focus)

- Starting tracking with touch operations (Touch Tracking)
- Shooting with touch operations (Touch Shutter)
- Fn (function) button

TP1000940062

Help Guide

Digital Camera ZV-1M2

Playback Screen







Configures touch operations on the playback screen.



Menu item details

On:

Enables touch operations on the playback screen.

Off:

Disables touch operations on the playback screen.

Related Topic

- Touch panel
- Enlarging an image being played back (Enlarge Image)

TP1000940063

Help Guide

Digital Camera ZV-1M2

Menu Screen







Configures touch operations on the menu screen.





Menu item details

On:

Enables touch operations on the menu screen.

Off:

Disables touch operations on the menu screen.

Related Topic

- MENU button
- Main menu (shooting setting list)

TP1000940064

Help Guide

Digital Camera ZV-1M2

Focusing using touch operations (Touch Focus)

[Touch Focus] allows you to specify a position where you want to focus using touch operations. Configure the settings as follows from MENU \rightarrow [Touch Operation] in advance:

- [Touch Operation]: [On]
- [Shooting Screen] → [Shooting Screen]: [On]

This function is available when [Focus Area] is set to one of following parameters. However, the function may not be available depending on the setting for [Focus Area Limit].

- [Wide]
- [Zone]
- [Center Fix]
- [Tracking: Wide]
- [Tracking: Zone]
- [Tracking: Center Fix]



Specifying the position where you want to focus in the still image mode

When performing auto-focusing, you can specify the position where you want to focus using touch operations. After touching the monitor and specifying a position, press the shutter button halfway down to focus.

- 1. Touch the monitor.
 - Touch the subject to focus.
 - To cancel focusing with touch operations, touch Law (Touch focus release) icon or press the center of the control wheel.
- 2. Press the shutter button halfway down to focus.
 - Press the shutter button all the way down to shoot images.

Specifying the position where you want to focus in the movie recording mode (Spot focus)

The camera will focus on the touched subject.

- 1. Touch the subject on which you want to focus before or during recording.
 - When [Focus Mode] is set to [Continuous AF], the focus mode temporarily switches to manual focus (spot focus).
 - To cancel spot focus, touch \(\frac{\mathbb{1}}{\mathbb{L}} \) (Touch focus release) icon or press the center of the control wheel.
 - When [Focus Mode] is set to [Manual Focus], the focus mode temporarily switches to [Continuous AF]. When the touched area is in focus, the focus mode returns to manual focus.

Hint

- If you set [Touch Func. in Shooting] to [Touch Focus+AE], the brightness will be set according to the subject you touched. This will also allow you to fine-tune the brightness by sliding the brightness adjustment bar that appears after touching.
- In addition to the touch focus function, touch operations such as the following are also available.

- The focusing frame for [Spot] and [Expand Spot] can be moved by dragging.
- When [Range Focus Mode] is set to [Manual Focus], the focus magnifier can be used by double-tapping the monitor.

Note

- The touch focus function is not available in the following situations:
 - When shooting still images in the manual focusing mode
 - When using the digital zoom in the still image shooting mode

Related Topic

- Touch Operation
- Shooting Screen
- Selecting the focus area (Focus Area)
- Focus Area Limit (still image/movie)

TP1000819593

Help Guide

Digital Camera ZV-1M2

Starting tracking with touch operations (Touch Tracking)

You can use touch operations to select a subject you want to track in the still image shooting mode and movie recording mode.

Configure the settings as follows from MENU \rightarrow Figure (Setup) \rightarrow [Touch Operation] in advance:

- [Touch Operation]: [On]
- [Shooting Screen] → [Shooting Screen]: [On]
- Touch the subject that you want to track on the monitor.

Tracking will start.

Hint

- To cancel tracking, touch 🖳 🕻 (Tracking release) icon or press the center of the control wheel.
- If you set [Touch Func. in Shooting] to [TouchTracking+AE], the brightness will be set according to the subject you touched. This will also allow you to fine-tune the brightness by sliding the brightness adjustment bar that appears after touching.

Note

- [Touch Tracking] is unavailable in the following situations:
 - When shooting movies with [Rec Frame Rate] under [▶ Movie Settings] set to [120p]/[100p]
 - When [▶ File Format] is set to [XAVC S 4K] and [Px Proxy Recording] is set to [On]
 - When [▶ File Format] is set to [XAVC S 4K] and outputting a movie via HDMI
 - When [Focus Mode] is set to [Manual Focus].
 - When using Smart Zoom, Clear Image Zoom, or Digital Zoom
- If the focus mode is switched to [Manual Focus] while [Touch Func. in Shooting] is set to [Touch Tracking], the setting value for [Touch Func. in Shooting] will be changed to [Touch Focus].

Related Topic

- Touch Operation
- Shooting Screen

TP1000827019

Help Guide

Digital Camera ZV-1M2

Shooting with touch operations (Touch Shutter)

The camera automatically focuses on the point you touch and shoots a still image. Configure the settings as follows from MENU \rightarrow [Touch Operation] in advance:

- [Touch Operation]: [On]
- [Shooting Screen] → [Shooting Screen]: [On]
- 2 Touch the subject on which you would like to focus.

The camera focuses on the subject you touched, and a still image is recorded.

Hint

- If you set [Touch Func. in Shooting] to [Touch Shutter+AE], the brightness will be set according to the subject you touched.
- You can operate the shooting functions below by touching the monitor:
 - Shooting burst images using the touch shutter
 When [Drive Mode] is set to [Cont. Shooting], you can record burst images while touching the monitor.
 - Shooting continuous bracket images using the touch shutter
 The product shoots three images while automatically shifting the exposure from base, to darker, and then to lighter. When [Drive Mode] is set to [Cont. Bracket], keep touching the monitor until the shooting ends. After the recording you can select the image you prefer.

Note

- The [Touch Shutter] function is unavailable in the following situations:
 - When shooting movies
 - When shooting slow-motion/quick-motion movies

 - When [♣ Focus Area] is set to [Spot] / [Expand Spot] / [Tracking: Spot S] / [Tracking: Spot M] / [Tracking: Spot L] / [Tracking: Spot M] / [Tracking: Spot M] / [Tracking: Spot L] / [Tracking: Spot M] / [Tracking:
 - While using the digital zoom function
 - While using the Clear Image Zoom
 - While using the smart zoom function
- When using Clear Image Zoom or Digital Zoom while [Touch Func. in Shooting] is set to [Touch Shutter], the setting value temporarily changes from [Touch Shutter] to [Off].
- If the focus mode is switched to [Manual Focus] while [Touch Func. in Shooting] is set to [Touch Shutter], the setting value for [Touch Func. in Shooting] will change to [Touch Focus].

Related Topic

- Touch Operation
- Shooting Screen

Help Guide

Digital Camera ZV-1M2

Adjusting the exposure with touch operations (Touch AE)

You can automatically set the exposure based on the brightness of a point you touch. Configure the settings as follows from MENU \rightarrow [Touch Operation] in advance:

- [Touch Operation]: [On]
- [Shooting Screen] → [Shooting Screen]: [On]
- **2** Touch the point that you want to set as the basis for the exposure.

The camera will set the exposure based on the brightness of the point you touched.

You can fine-tune the brightness with sliding the brightness adjustment bar that appears after touching.

Hint

- The adjustment using the brightness adjustment bar is reflected in the exposure compensation value.
- When [Touch Func. in Shooting] is set to [Touch Focus]/[Touch Tracking]/[Touch Shutter], you can select whether or not to perform [Touch AE] at the same time by pressing the left or right side of the control wheel.

Note

- [Touch AE] is not available in the following situations:
 - When using digital zoom function
- If the subject is extremely bright or dark, the adjustment bar may not be sufficiently effective.

Related Topic

- Touch Operation
- Shooting Screen

TP1000952641

Help Guide

Digital Camera ZV-1M2

Silent Mode (still image/movie)







Sets whether or not to shoot without shutter sounds or electronic sounds.



 $\texttt{MENU} \to \boxed{\bigcirc} / \blacktriangleright \blacksquare \texttt{(Shooting)} \to \texttt{[Shutter/Silent]} \to \texttt{[} \clubsuit \texttt{Silent Mode]} \to \texttt{desired setting}.$

Menu item details

On:

Does not produce a shutter sound or electronic sounds.

Off:

Produces a shutter sound and electronic sounds.

Note

- Use the silent mode function on your own responsibility, while taking sufficient consideration to the privacy and portrait rights of the subject.
- Even if [Silent Mode] is set to [On], the aperture, focus, etc. will make operating sounds.

TP1000832035

Help Guide

Digital Camera ZV-1M2

Release w/o Card







Sets whether the shutter can be released when no memory card has been inserted.



 $\textbf{MENU} \rightarrow \boxed{\bigcirc} \ (\textbf{Shooting}) \rightarrow \textbf{[Shutter/Silent]} \rightarrow \textbf{[Release w/o Card]} \rightarrow \textbf{desired setting}.$

Menu item details

Enable:

Releases the shutter even if no memory card has been inserted.

Disable:

Does not release the shutter when no memory card has been inserted.

Note

- When no memory card has been inserted, the images shot will not be saved.
- The default setting is [Enable]. It is recommended that you select [Disable] prior to actual shooting.

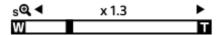
TP1000811370

Help Guide

Digital Camera ZV-1M2

The zoom features available with this product

The zoom feature of the product provides a higher magnification zoom by combining various zoom features. The icon displayed on the screen changes, according to the selected zoom feature.



Optical zoom:

Zoom images in the zoom range of a lens.

Smart Zoom (S♥):

Zoom images without causing the original quality to deteriorate by partially cropping an image (only when [JPEG Image Size] is set to [M] or [S]).

■ Clear Image Zoom (c♠):

■ Digital Zoom (D):

You can magnify images using an image process. When you set [Range] to [Digital Zoom], you can use this zoom function.

Hint

The default setting for the [JPEG Image Size] is [L]. To use the smart zoom, change [JPEG Image Size] to [M] or [S].

Note

- The Smart Zoom, Clear Image Zoom and Digital Zoom functions are not available when shooting in the following situations:
 - [Tile Format] is set to [RAW] or [RAW & JPEG].
 - [Rec Frame Rate] is set to [120p]/[100p].
 - During slow-motion/quick-motion shooting with the frame rate set to [120fps]/[100fps]
- You cannot use the Smart Zoom function with movies.
- When you use a zoom function other than the optical zoom in the still image shooting mode, the [Focus Area] setting is disabled and the AF operates with priority on and around the center area.
- When you use the Smart Zoom, Clear Image Zoom or Digital Zoom function, [Nature Mode] is locked to [Multi].
- When using the Smart Zoom, Clear Image Zoom or Digital Zoom function, the following functions are not available:
 - Subject Recognition AF
 - Pace Priority in Multi Metering
 - Tracking function

Related Topic

- Zoom
- Zoom Range (still image/movie)
- About zoom scale

Help Guide

Digital Camera ZV-1M2

Zoom

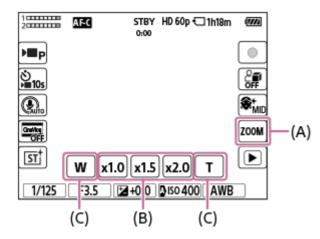
You can zoom by using the W/T (zoom) lever or by touching the zoom icon on the screen.

Using the zoom lever

- 1. Enlarge the subject using the W/T (zoom) lever.
 - Move the W/T (zoom) lever to the T side to zoom in and to the W side to zoom out.

Touching the zoom icons on the screen

- 2. Swipe in from the left or right edge of the screen to display the touch function icons.
 - The swiping direction changes according to the settings for [Swipe Right] and [Swipe Left] under [Shooting Screen].
- 3. Touch **ZOOM** (Zoom) icon (A), and then select the magnification scale (B). Alternatively, touch and hold the W or T icon (C).



(A): **ZOOM** (Zoom) icon (B): Magnification scale

(C): W/T icon

Related Topic

- Zoom Range (still image/movie)
- Zoom Speed
- Step Zoom Magnif. (still image/movie)

TP1000832034

Help Guide

Digital Camera ZV-1M2

Zoom Range (still image/movie)







You can select the zoom setting of the product.



 $MENU \rightarrow \bigcirc / \blacksquare$ (Shooting) \rightarrow [Zoom] \rightarrow [\blacksquare Zoom Range] \rightarrow desired setting.

Menu item details

Optical zoom only:

Limits the zoom range to the optical zoom. You can use the Smart Zoom function if you set [JPEG Image Size] to [M] or [S].

Clear Image Zoom:

Select this setting to use Clear Image Zoom. The product magnifies images using an image process with less deterioration.

Digital Zoom:

The product magnifies images to the largest scale. However, the image quality will deteriorate.

Note

Set [Optical zoom only] if you want to magnify images within the range in which image quality does not deteriorate.

Related Topic

- The zoom features available with this product
- About zoom scale

TP1000787987

Help Guide

Digital Camera ZV-1M2

Zoom Speed







Sets the zoom speed. This setting is applied to zoom operations using the zoom lever and when you touch and hold the W/T icons on the screen.



 $\textbf{MENU} \rightarrow \boxed{\bigcirc}/\textbf{\blacksquare} (\textbf{Shooting}) \rightarrow \textbf{[Zoom]} \rightarrow \textbf{[Zoom Speed]} \rightarrow \textbf{desired setting}.$

Menu item details

Normal:

Sets the zoom speed to normal.

Fast:

Sets the zoom speed to fast.

Note

The [Zoom Speed] settings are also used when you are zooming with a remote controller (sold separately) connected to the camera.

Related Topic

Zoom

TP1000832033

Help Guide

Digital Camera ZV-1M2

Step Zoom Magnif. (still image/movie)







Set the zoom magnification that can be selected with the touch button on the shooting screen or with the key to which the [Step Zoom] function is assigned.



Select MENU $\rightarrow \bigcirc /$ [Shooting) \rightarrow [Zoom] \rightarrow [\P Step Zoom Magnif.].



Add checkmarks to the magnification values that you want to use and select [OK].



The magnifications with (check mark) can be selected in the following cases:

- When you touch the ZOOM (Zoom) button on the shooting screen
- When you press the custom key to which [Step Zoom] is assigned

Menu item details

Add check marks to the magnification values that you want to use. x1.0/x1.5/x2.0/x4.0

Hint

To select the zoom magnification with the custom key, assign [Step Zoom] to the key of your choice with [to Custom Key Setting] or [Custom Key Setting] in advance.

Note

- When recording movies, the maximum magnification for the step zoom function may vary depending on the setting for [] Tile Format] or [Range].
 - when [▶ File Format] is set to HD:

Clear Image Zoom: up to [x2.0]

Digital Zoom: up to [x4.0]

- when [File Format] is set to 4K:

Clear Image Zoom: up to [x1.5]

Digital Zoom: up to [x4.0]

Related Topic

- Zoom
- Zoom Range (still image/movie)
- Assigning frequently used functions to buttons (Custom Key Setting)

TP1000832032

Help Guide

Digital Camera ZV-1M2

About zoom scale

The zoom scale that is used in combination with the zoom of the lens changes according to the selected image size.

When [Aspect Ratio] is [3:2]

JPEG Image Size	Optical zoom only (smart zoom)	Clear Image Zoom	Digital Zoom
L: 20M	-	Approx. 2×	Approx. 4×
M: 10M	Approx. 1.4×	Approx. 2.8×	Approx. 5.6×
S: 5.0M	Approx. 2×	Approx. 4×	Approx. 8×

Related Topic

- The zoom features available with this product
- Zoom Range (still image/movie)

TP1000810707

Help Guide

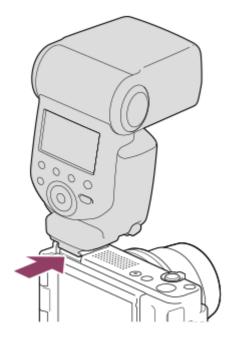
Digital Camera ZV-1M2

Using flash (sold separately)

In dark environments, use the flash to light up the subject while shooting. Also use the flash to prevent camera-shake.

For details on the flash, refer to the instruction manual for the flash.

Attach the flash (sold separately) to the product.



- Shoot after you have turned on the flash and it is fully charged.
 - (Charging flash icon) blinking: Charging is in progress
 - (Charging flash icon) lit up: Charging is finished
 - The available flash modes depend on the shooting mode and function.

Note

- You cannot use the flash when recording movies. (You can use an LED light when using a flash (sold separately) with an LED light.)
- Before attaching/removing an accessory such as a flash to/from the Multi Interface Shoe, turn off the product first. When attaching an accessory, make sure that the accessory is fixed securely to the product.
- Do not use the Multi Interface Shoe with a commercially available flash that applies voltage of 250 V or more or has the reverse polarity of the camera. Doing so may cause a malfunction.
- When shooting with the flash and the zoom is set to W, the shadow of the lens may appear on the screen, depending on the shooting conditions. If this happens, shoot away from the subject or set the zoom to T and shoot with the flash again.
- High-speed sync (HSS) photography is not available on this camera.
- For details on compatible accessories for the Multi Interface Shoe, visit the Sony website, or consult your Sony dealer or local authorized Sony service facility.

Related Topic

Flash Mode

TP1000810738

Help Guide

Digital Camera ZV-1M2

Flash Mode







You can set the flash mode.



 $MENU \rightarrow$ [Flash] \rightarrow [Flash Mode] \rightarrow desired setting.

Menu item details



The flash does not operate.

Autoflash:

The flash works in dark environments or when shooting towards bright light.

★ Fill-flash:

The flash works every time you trigger the shutter.

\$ Slow Sync.:

The flash works every time you trigger the shutter. Slow sync shooting allows you to shoot a clear image of both the subject and the background by slowing the shutter speed.

Rear Sync.:

The flash works right before the exposure is completed every time you trigger the shutter. Rear sync shooting allows you to shoot a natural image of the trail of a moving subject such as a moving car or a walking person.

Note

- The default setting depends on the shooting mode.
- Some [Flash Mode] settings are not available, depending on the shooting mode.

Related Topic

Using flash (sold separately)

TP1000810737

Help Guide

Digital Camera ZV-1M2

Flash Comp.







Adjusts the amount of flash light in a range of –3.0 EV to +3.0 EV. Flash compensation changes the amount of flash light only. Exposure compensation changes the amount of flash light along with the change of the shutter speed and aperture.



 $\textbf{MENU} \to \textbf{[Z]} \ (\textbf{Exposure/Color}) \to \textbf{[Flash]} \to \textbf{[Flash Comp.]} \to \textbf{desired setting.}$

Selecting higher values (+ side) makes the flash level higher, and lower values (- side) makes the flash level lower.

Note

- [Flash Comp.] does not work when the shooting mode is set to the following modes:
 - [Intelligent Auto]
 - [Scene Selection]
- The higher flash effect (+ side) may not be visible due to the limited amount of flash light available, if the subject is outside the maximum range of the flash. If the subject is very close, the lower flash effect (- side) may not be visible.

Related Topic

Using flash (sold separately)

TP1000810736

Help Guide

Digital Camera ZV-1M2

Exp.comp.set







Sets whether to apply the exposure compensation value to control both flash light and ambient light, or just ambient light.





 $MENU \rightarrow$ [Exposure/Color) \rightarrow [Flash] \rightarrow [Exp.comp.set] \rightarrow desired setting.

Menu item details

Ambient&flash:

Applies the exposure compensation value to control both flash light and ambient light.

Ambient only:

Applies the exposure compensation value to control ambient light only.

Related Topic

Flash Comp.

TP1000787179

Help Guide

Digital Camera ZV-1M2

SteadyShot (movie)







Sets [) SteadyShot] effect when shooting movies.





 $MENU \rightarrow \blacksquare$ (Shooting) \rightarrow [Image Stabilization] \rightarrow [\blacksquare SteadyShot] \rightarrow desired setting.

Menu item details

On (Active):

Provides a powerful SteadyShot effect.

Does not use [) SteadyShot].

Note

- When using a tripod, etc., make sure to turn off the SteadyShot function because this can cause any malfunction when shooting.
- If you change the setting for [) SteadyShot], the angle of view will change.
- In the following situations, [) SteadyShot] is fixed to [Off]:
 - Normal movie recording: [Rec Frame Rate] is set to [120p]/[100p]
 - Slow-motion recording/quick-motion recording: [Sto Frame Rate] is set to [120fps]/[100fps]

TP1000797903

Help Guide

Digital Camera ZV-1M2

High ISO NR







When shooting with high ISO sensitivity, the product reduces noise that becomes more noticeable when the product sensitivity is high.



 $\textbf{MENU} \rightarrow \boxed{\bigcirc} \ \, (\textbf{Shooting}) \rightarrow [\textbf{Image Quality/Rec}] \rightarrow [\textbf{High ISO NR}] \rightarrow \textbf{desired setting}.$

Menu item details

Normal:

Activates high ISO noise reduction normally.

Low

Activates high ISO noise reduction moderately.

Off:

Does not activate high ISO noise reduction.

Note

- When [File Format] is set to [RAW], this function is not available.
- [High ISO NR] does not work for RAW images when [File Format] is [RAW & JPEG].

TP1000811373

Help Guide

Digital Camera ZV-1M2

Auto Review (still image)







You can check the recorded image on the screen right after the shooting. You can also set the display time for Auto Review.



 $\textbf{MENU} \rightarrow \begin{tabular}{ll} \hline \label{eq:menu} \hline \end{tabular} \textbf{MENU} \rightarrow \begin{tabular}{ll} \hline \end{tabular} \textbf{(Setup)} \rightarrow \begin{tabular}{ll} \hline \end{tabular} \textbf{Display Option]} \rightarrow \begin{tabular}{ll} \hline \end{tabular} \begin{tabular}{ll} \hline \end{tabular} \textbf{Auto Review]} \rightarrow \begin{tabular}{ll} \hline \end{tabular} \textbf{desired setting.} \end{tabular}$

Menu item details

10 Sec/5 Sec/2 Sec:

Displays the recorded image on the screen right after shooting for the selected duration of time. If you perform a magnifying operation during Auto Review, you can check that image using the magnified scale.

Off:

Does not display the Auto Review.

Note

- When you use a function that performs image processing, the image before processing may be displayed temporarily, followed by the image after processing.
- Auto Review is displayed in the mode that you have set using DISP (Display Setting) for playback.

Related Topic

Enlarging an image being played back (Enlarge Image)

TP1000787296

Help Guide

Digital Camera ZV-1M2

Grid Line Display (still image/movie)







Sets whether the grid line is displayed or not during shooting. The grid line will help you to adjust the composition of images.



 $\textbf{MENU} \rightarrow \boxed{\bigcirc}/\textbf{\blacksquare} \ \ \textbf{(Shooting)} \rightarrow \textbf{[Shooting Display]} \rightarrow \textbf{[} \ \textbf{\P} \textbf{Grid Line Display]} \rightarrow \textbf{desired setting}.$

Menu item details

On:

Displays the grid line.

Off:

Does not display the grid line.

Hint

If you assign [Grid Line Display Select] to a desired key using [Custom Key Setting] or [Custom Key Setting], you can show or hide the grid lines by pressing the assigned key.

Related Topic

- Grid Line Type (still image/movie)
- Assigning frequently used functions to buttons (Custom Key Setting)

TP1000811372

Help Guide

Digital Camera ZV-1M2

Grid Line Type (still image/movie)







Sets the displayed type of grid line. The grid line will help you to adjust the composition of images.



 $MENU \rightarrow \bigcirc / \blacksquare$ (Shooting) \rightarrow [Shooting Display] \rightarrow [\P Grid Line Type] \rightarrow desired setting.

Menu item details

Rule of 3rds Grid:

Place main subjects close to one of the grid lines that divide the image into thirds for a well-balanced composition.

Square Grid:

Square grids make it easier to confirm the horizontal level of your composition. This is useful for assessing the composition when shooting landscapes, closeups, or when performing camera scanning.

Diag. + Square Grid:

Place a subject on the diagonal line to express an uplifting and powerful feeling.

Hint

If you assign [Grid Line Type] to a desired key using [Custom Key Setting] or [Custom Key Setting], you can set the type of grid line by pressing the assigned key.

Related Topic

- Grid Line Display (still image/movie)
- Assigning frequently used functions to buttons (Custom Key Setting)

TP1000828520

Help Guide

Digital Camera ZV-1M2

Live View Display







Sets whether or not to show images altered with effects of the exposure compensation, white balance, or [Creative Look] on the screen.



 $MENU \rightarrow \boxed{\bigcirc} / \blacksquare$ (Shooting) \rightarrow [Shooting Display] \rightarrow [Live View Display] \rightarrow desired setting.

Menu item details

Setting Effect ON:

Displays Live View in conditions close to what your picture will look like as a result of applying all your settings. This setting is useful when you want to shoot pictures while checking the results of the shot on the Live View screen.

Setting Effect OFF:

Displays Live View without the effects of exposure compensation, white balance, or [Creative Look]. When this setting is used, you can easily check the image composition.

Live View is always displayed with the appropriate brightness even in [Manual Exposure] mode.

When [Setting Effect OFF] is selected, the VIEW (VIEW) icon is displayed on the Live View screen.

Note

- If you shoot movies in the still image shooting mode, the shooting settings will be reflected in Live View even when [Live View Display] is set to [Setting Effect OFF].
- When [Live View Display] is set to [Setting Effect OFF], the brightness of the shot image will not be the same as that of the displayed Live View.

TP1000832030

Help Guide

Digital Camera ZV-1M2

Bright Monitoring







Allows you to adjust the composition when shooting in dark environments. By extending the exposure time, you can check the composition on the monitor even in dark locations such as under the night sky.

- MENU → (Setup) → [Operation Customize] → [Custom Key Setting] → assign the [Bright Monitoring] function to the desired key.
- In a still image shooting mode, press the key to which you assigned the [Bright Monitoring] function, and then shoot an image.
 - The brightness due to [Bright Monitoring] will continue after shooting.
 - To return the monitor brightness to normal, press the key to which you assigned the [Bright Monitoring] function once again.

Note

- During [Bright Monitoring], [Live View Display] will automatically switch to [Setting Effect OFF], and setting values such as exposure compensation will not be reflected in the live view display. It is recommended that you use [Bright Monitoring] only in dark locations.
- [Bright Monitoring] will be automatically canceled in the following situations.
 - When the camera is turned off.
 - When the focus mode is set to other than manual focus.
 - ─ When [♣ Auto Magnifier in MF] is executed.
 - When [Focus Magnifier] is selected.
- During [Bright Monitoring], the shutter speed may be slower than normal while shooting in dark locations. Also, because the measured brightness range is expanded, the exposure may change.

Related Topic

- Assigning frequently used functions to buttons (Custom Key Setting)
- Live View Display

TP1000811371

Help Guide

Digital Camera ZV-1M2

Emphasized REC Display







Sets whether or not to display a red frame around the edges of the camera's monitor while recording a movie. You can easily check whether the camera is in standby or recording, even when you are looking at the camera monitor from an angle or at a distance.





 $MENU \rightarrow \blacksquare$ (Shooting) \rightarrow [Shooting Display] \rightarrow [Emphasized REC Display] \rightarrow desired setting.

Menu item details

On:

Displays a red frame to indicate that recording is in progress.

Off:

Does not display a frame to indicate that recording is in progress.

Hint

The frame displayed by this function can also be output to an external monitor connected via HDMI. Set [HDMI Info. Display] to [On].

Related Topic

HDMI Info. Display

TP1000828548

Help Guide

Digital Camera ZV-1M2

Marker Display







While shooting movies, you can set whether or not to display markers on the monitor, and select the types of marker.





MENU \rightarrow (Shooting) \rightarrow [Marker Display] \rightarrow Select a menu item and set the desired parameter.

Menu item details

Marker Display:

Sets whether or not to display markers. ([On] / [Off])

Center Marker:

Sets whether or not to display the center marker in the middle of the shooting screen. ([Off] / [On])

Aspect Marker:

Sets the aspect marker display. ([Off] / [9:16] / [4:5] / [1:1] / [4:3] / [13:9] / [14:9] / [15:9] / [17:9] / [1.66:1] / [1.85:1] / [1.91:1] / [2:1] / [2.35:1] / [2.39:1])

Safety Zone:

Sets the safety zone display. This becomes the standard range that can be received by a general household TV. ([Off] / [80%] / [90%])

Guideframe:

Sets whether or not to display the guide frame. You can verify whether the subject is level or perpendicular to the ground. ([Off] / [On])

Hint

- You can display several markers at the same time.
- Position the subject at the cross point of [Guideframe] to ensure a balanced composition.

Note

- The markers are displayed when the shooting mode is set to [Movie] or [S&Q Motion], or when shooting movies.
- You cannot display markers when using [Focus Magnifier].
- The markers are displayed on the monitor. (You cannot output the markers.)

TP1000811380

Help Guide

Digital Camera ZV-1M2

Gamma Display Assist







Movies with S-Log gamma are assumed to be processed after shooting in order to make use of the wide dynamic range. Images with the HLG gamma are assumed to be displayed on HDR-compatible monitors. They are therefore displayed in low contrast during shooting, and may be difficult to monitor. However, you can use the [Gamma Display Assist] function to reproduce contrast equivalent to that of normal gamma. In addition, [Gamma Display Assist] can also be applied when playing back movies on the camera's monitor.



Menu item details

On:

Uses the gamma display assist function.

Off:

Does not use the gamma display assist function.

Hint

■ If you assign [Gamma Disp. Assist Sel.] to a desired key using [Custom Key Setting], [Custom Key Setting], or [Custom Key Setting], you can turn the gamma display assist function on or off by pressing the assigned key.

Note

[Gamma Display Assist] is not applied to movies when displayed on a TV or monitor connected to the camera.

Related Topic

- Picture Profile (still image/movie)
- Gamma Disp. Assist Typ.

TP1000819609

Help Guide

Digital Camera ZV-1M2

Gamma Disp. Assist Typ.







Selects the conversion type for [Gamma Display Assist].



Menu item details

Assist Auto:

- Displays images with effects as follows according to the gamma or color mode set in [Picture Profile].
 - When the gamma is set to [S-Log2]: [S-Log2→709(800%)]
 - When the gamma is set to [S-Log3]: [S-Log3→709(800%)]
 - When the gamma is set to [HLG], [HLG1], [HLG2], or [HLG3], and the color mode is set to [BT.2020]: [HLG(BT.2020)]
 - When the gamma is set to [HLG], [HLG1], [HLG2], or [HLG3], and the color mode is set to [709]: [HLG(709)]

Assist S-Log2 \rightarrow 709(800%):

Displays images with an S-Log2 gamma reproducing contrast equivalent to ITU709 (800%).

Assist S-Log3→709(800%):

Displays images with an S-Log3 gamma reproducing contrast equivalent to ITU709 (800%).

Assist HLG(BT.2020):

Displays images after adjusting the image quality of the monitor to a quality that is almost the same as when images are displayed on an [HLG(BT.2020)] compatible monitor.

Assist HLG(709):

Displays images after adjusting the image quality of the monitor to a quality that is almost the same as when images are displayed on an [HLG(709)] compatible monitor.

Hint

If you assign [Gamma Disp. Assist Typ.] to a desired key using [Custom Key Setting] or [Custom Key Setting], you can switch the [Gamma Disp. Assist Typ.] setting.

Note

- When [Gamma Display Assist] is set to [Auto] during playback, an effect is applied to the image as follows:
 - When playing back a movie recorded with [HLG], [HLG1], [HLG2], or [HLG3]: Displays the image with an [HLG(BT.2020)] or [HLG(709)] effect depending on the color mode.

In other situations, movies are displayed according to the gamma setting and color mode setting in [🦬 Picture Profile].

Related Topic

- Gamma Display Assist
- Picture Profile (still image/movie)
- HDMI Output Settings (movie)

Help Guide

Digital Camera ZV-1M2

Audio Recording







Sets whether to record sounds when shooting movies. Select [Off] to avoid recording the sounds of the lens and the camera operating. This function cannot be used during slow-motion/quick-motion recording.





 $\textbf{MENU} \rightarrow \textbf{b} \textbf{m} \hspace{0.1cm} \textbf{(Shooting)} \rightarrow \textbf{[Audio Recording]} \rightarrow \textbf{[Audio Recording]} \rightarrow \textbf{desired setting.}$

Menu item details

On:

Records sound.

Off:

Does not record sound.

Related Topic

Audio Rec Level

TP1000787204

Help Guide

Digital Camera ZV-1M2

Audio Rec Level







You can adjust the audio recording level while checking the level meter. This function cannot be used during slowmotion/quick-motion recording.





 $MENU \rightarrow \blacksquare$ (Shooting) \rightarrow [Audio Recording] \rightarrow [Audio Rec Level].



Select the desired level using the right/left sides of the control wheel.

Menu item details

Turns up the audio recording level.

Turns down the audio recording level.

Hint

- When you record audio movies with loud volumes, set [Audio Rec Level] to a lower sound level. Doing so enables you to record more realistic audio. When you record audio movies with lower volumes, set [Audio Rec Level] to a greater sound level to make the sound easier to hear. Check that the volume is at the appropriate level by the volume level meter on the camera.
- To reset the audio recording level to the default setting, press the fig (Delete) button.

Note

- Regardless of the [Audio Rec Level] settings, the limiter always operates.
- [Audio Rec Level] is available only when the shooting mode is set to movie mode.
- The [Audio Rec Level] settings are applied for both the internal microphone and the \(\) (microphone) terminal input.

TP1000787235

Help Guide

Digital Camera ZV-1M2

Wind Noise Reduct.







Sets whether or not to reduce wind noise by cutting the low-range sound of the input audio from the built-in microphone. This function cannot be used during slow-motion/quick-motion recording.

Although wind noise is reduced by using the wind screen (supplied), use this function along with the wind screen if wind noise is still noticeable.





 $MENU \rightarrow \blacksquare$ (Shooting) \rightarrow [Audio Recording] \rightarrow [Wind Noise Reduct.] \rightarrow desired setting.

Menu item details

On:

Reduces wind noise.

Off:

Does not reduce wind noise.

Note

- The sound quality may vary from the normal recording settings when [Wind Noise Reduct.] is set to [On].
- When an external microphone (sold separately) is used, [Wind Noise Reduct.] does not function.

TP1000787237

Help Guide

Digital Camera ZV-1M2

Microphone Directivity







Sets the direction of sound pickup when using the built-in microphone. This function cannot be used during slowmotion/quick-motion recording.





MENU \rightarrow (Shooting) \rightarrow [Audio Recording] \rightarrow [Microphone Directivity] \rightarrow desired setting.

Menu item details

Automatically switches the direction of sound pickup (front or all directions) according to the recognized subject and tracking status.

Front:

Picks up sound in front of the camera.

All Directions:

Picks up sound from all directions around the camera.

Picks up sound behind the camera.

Note

- [Microphone Directivity] is disabled when an external microphone is connected.
- When [Microphone Directivity] is set to [Auto] and the digital zoom is used during shooting, the direction of sound pickup remains the same as it was before using the zoom.
- When [Microphone Directivity] is set to [Auto], the camera picks up sound from all directions under the following conditions.
 - [] File Format] is set to [XAVC S 4K], [Px Proxy Recording] under [Px Proxy Settings] is set to [On], and [Rec. Media dur HDMI Output] is set to [On].
 - [▶ File Format] is set to [XAVC S 4K], [Rec Frame Rate] under [▶ Movie Settings] is set to [30p], and [Rec. Media dur HDMI Output] is set to [On] during an HDMI connection.
 - [] File Format] is set to [XAVC S 4K] and connecting to the camera from a computer, etc.
 - File Format] is set to [XAVC S 4K], and you are performing remote shooting via a smartphone.
 - [Rec Frame Rate] under [Movie Settings] is set to [120p].

TP1000940067

Help Guide

Digital Camera ZV-1M2

Mic Direct Select Setting







Configures the setting values to be selected when changing the directivity of the built-in microphone using the key to which [Mic Directivity Select] is assigned in [) Custom Key Setting].







Add a \checkmark (check) mark to the value that you want to enable.

The setting values marked with \checkmark (check) will be available when performing [Mic Directivity Select] with the custom key.

Related Topic

- Assigning frequently used functions to buttons (Custom Key Setting)
- Microphone Directivity

TP1000940068

Help Guide

Digital Camera ZV-1M2

TC/UB







The time code (TC) and the user bit (UB) information can be recorded as data attached to movies.





MENU \rightarrow (Shooting) \rightarrow [TC/UB] \rightarrow Select a menu item and set the desired parameter.

Menu item details

Time Code Preset:

Sets the time code.

User Bit Preset:

Sets the user bit.

Time Code Format:

Sets the recording method for the time code. (Only when [NTSC/PAL Selector] is set to NTSC.)

Time Code Run:

Sets the count up format for the time code.

Time Code Make:

Sets the recording format for the time code on the recording medium.

User Bit Time Rec:

Sets whether or not to record the time as a user bit.

How to set the time code (Time Code Preset)

- 1. MENU \rightarrow (Shooting) \rightarrow [TC/UB] \rightarrow [Time Code Preset].
- 2. Turn the control wheel and select the first two digits.
 - The time code can be set between the following range.

When [60p] is selected: 00:00:00.00 to 23:59:59.29

- When [24p] is selected, you can select the last two digits of the time code in multiples of four from 00 to 23 frames. When [50p] is selected: 00:00:00.00 to 23:59:59.24
- 3. Set the other digits following the same procedure as in step 2, then press in the center of the control wheel.

How to reset the time code

- 1. MENU \rightarrow (Shooting) \rightarrow [TC/UB] \rightarrow [Time Code Preset].
- Press the (Delete) button to reset the time code (00:00:00.00).

How to set the user bit (User Bit Preset)

- Turn the control wheel and select the first two digits.
- 3. Set the other digits following the same procedure as in step 2, then press in the center of the control wheel.

How to reset the user bit

- 1. MENU \rightarrow [Shooting) \rightarrow [TC/UB] \rightarrow [User Bit Preset].
- 2. Press the 📺 (Delete) button to reset the user bit (00 00 00 00).

How to select the recording method for the time code (Time Code Format *1)

1. $MENU \rightarrow \$ (Shooting) \rightarrow [TC/UB] \rightarrow [Time Code Format].

DF:

Records the time code in Drop Frame*2 format.

NDF:

Records the time code in Non-Drop Frame format.

- *1 Only when [NTSC/PAL Selector] is set to NTSC.
- *2 The time code is based on 30 frames per second. However, a gap between the actual time and the time code will occur during extended periods of recording as the frame frequency of the NTSC image signal is approximately 29.97 frames per second. Drop frame corrects this gap to make the time code and actual time equal. In drop frame, the first 2 frame numbers are removed every minute except for every tenth minute. The time code without this correction is called non-drop frame.
 - The setting is fixed to [-] when recording in 24p.

How to select the count up format for the time code (Time Code Run)

1. $MENU \rightarrow \$ (Shooting) \rightarrow [TC/UB] \rightarrow [Time Code Run].

Rec Run:

Sets the stepping mode for the time code to advance only while recording. The time code is recorded sequentially from the last time code of the previous recording.

Free Run:

Sets the stepping mode for the time code to advance anytime, regardless of the camera operation.

- The time code may not be recorded sequentially in the following situations even when the time code advances in [Rec Run] mode.
 - When the recording format is changed.
 - When the recording medium is removed.

How to select how the time code is recorded (Time Code Make)

1. $MENU \rightarrow \$ (Shooting) \rightarrow [TC/UB] \rightarrow [Time Code Make].

Preset:

Records the newly set time code on the recording medium.

Regenerate:

Reads the last time code for the previous recording from the recording medium and records the new time code consecutively from the last time code. The time code advances in [Rec Run] mode regardless of the [Time Code Run] setting.

Related Topic

TC/UB Disp. Setting

TP1000819578

Help Guide

Digital Camera ZV-1M2

TC/UB Disp. Setting







Sets the display of the recording time counter, time code (TC), and user bit (UB) for movies.



Menu item details

Counter:

Displays the time counter of movie recording.

Displays the time code.

U-Bit:

Displays the user bit.

Related Topic

TC/UB

TP1000819561

Help Guide

Digital Camera ZV-1M2

Livestreaming video and audio (USB Streaming)







You can connect a computer, etc. to the camera and use the camera video and audio for livestreaming or web-conferencing services. Select MENU \rightarrow [USB] \rightarrow [USB Connection Mode] \rightarrow [Sel. When Connect] or [USB Streaming] beforehand.

Connect the camera to a computer or other device with a USB cable (commercially available).

[USB Streaming:Standby] will appear on the camera screen, and the camera will switch to the streaming standby state.

- If [USB Connection Mode] is set to [Sel. When Connect], select [Live Stream(USB Streaming)] on the selection screen for the USB connection mode.
- Use a cable or adapter that matches the terminal on the device to be connected.

Start streaming from your livestreaming/web-conferencing service.

[USB Streaming:Output] will appear on the camera screen.

To exit [USB Streaming], turn off the power of the camera or disconnect the USB cable.

Hint

- If you assign [Product Showcase Set] or [Background Defocus] to [Custom Key Setting], you can use these functions even during USB streaming.
- The format of the streaming data is as follows.
 - Video format: MJPEG
 - Resolution: HD720 (1280×720)
 - Frame rate: 30 fps / 25 fps
 - Audio format: LPCM, 48 kHz, 16 bit, 2 ch
- During USB streaming, power is supplied to the camera from the computer. If you want to consume as little computer power as possible, set [USB Power Supply] to [Off].
- When using an external microphone, you can minimize deviations between your voice and the movements of your mouth by connecting the microphone to the (microphone) terminal of the camera.

Note

- While USB streaming is in progress, the camera is always set to the movie recording mode regardless of the shooting mode before the start of streaming.
- You cannot do the following while [USB Streaming] is running.
 - Transition to the playback screen
 - Network functions (PC remote, remote operation from a smartphone, etc.)
- The following functions are disabled while [USB Streaming] is running.
 - Recording the streaming video
 - Menu-screen operations

- Capturing a custom white balance
- Picture Profile
- Power Save Start Time
- Auto Monitor OFF
- Depending on the temperature environment, Wi-Fi connection environment, and usage conditions before the start of streaming, the internal temperature of the camera may rise, and the time available for streaming may become shorter.

Related Topic

USB Connection Mode

TP1000830704

Help Guide

Digital Camera ZV-1M2

Contents of this chapter

The following table of contents lists the features described in this chapter ("Customizing the camera"). From each item name, you can jump to the page describing the respective functions.

Assigning frequently used functions to buttons (Custom Key Setting)

Registering and recalling camera settings

- Camera Set. Memory
- Recalling registered shooting settings (Cam.Set)

Registering frequently used functions to the function menu

Fn Menu Settings

Registering frequently used functions to My Menu

- Add Item
- Sort Item
- Delete Item
- Delete Page
- Delete All
- Display From My Menu

Recording movies by pressing the shutter button

REC w/ Shutter (movie)

Monitor settings

- Monitor Flip Direction
- Vertical Display
- DISP (Screen Disp) Set

TP1000940099

Help Guide

Digital Camera ZV-1M2

Assigning frequently used functions to buttons (Custom Key Setting)





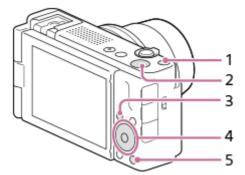


You can use the custom key function to assign the functions you use most frequently to easily operable buttons. This lets you skip the process of selecting items from MENU, so you can recall the functions more quickly.

You can separately assign functions to custom keys for the still image shooting mode, movie shooting mode, and playback mode.

Assignable functions vary depending on the buttons.

You can assign functions to the following buttons.



- 1. Custom Button 1
- 2. MOVIE Button
- 3. Fn/ 🔁 Button
- 4. Center Button/Left Button/Right Button
- 5. Button

The following is the procedure for assigning the [Subject Recognition AF] function to the center button.

- - If you want to assign a function to recall while shooting movies, select [▶ Custom Key Setting]. If you want to assign a function to recall while playing back images, select [▶ Custom Key Setting].
- Move to the [Rear] screen using the top/bottom side of the control wheel. Then, select [Center Button] and press the center of the control wheel.
- 3 Select [Subject Recognition AF] using the top/bottom/left/right side of the control wheel, and then press the center.
 - If you press the center button while shooting and eyes are detected, [Subject Recognition AF] will activate and the camera will focus on the eyes. Shoot images while holding down the center button.

Help Guide

Digital Camera ZV-1M2

Camera Set. Memory







Allows you to register up to 3 often-used modes or product settings per shooting mode (Still/Movie/S&Q Motion) to the product and up to 4 (M1 through M4) to the memory card. You can recall the settings during shooting.

- 1 Set the product to the setting you want to register.
- $igotimes_{igotimes$
- 3 Press the center of the control wheel to confirm.

Items that can be registered

- You can register various functions for shooting. The items that can actually be registered are displayed on the menu
 of the camera.
- Aperture (F number)
- Shutter speed
- Optical zoom scale

To change registered settings

Change the setting to the desired one and re-register the setting to the same mode number.

Note

- M1 through M4 can be selected only when a memory card is inserted into the product.
- Program Shift cannot be registered.

Related Topic

Recalling registered shooting settings (Cam.Set)

TP1000787272

Help Guide

Digital Camera ZV-1M2

Recalling registered shooting settings (Cam.Set)







Allows you to shoot an image after recalling your preferred shooting settings registered with [MR Camera Set. Memory].

- 1 Press the Still/Movie/S&Q button to select the desired shooting mode.
- MENU → ૽ / ▶ (Shooting) → [Shooting Mode] → 1 Shoot Mode]/[▶ Shoot Mode]/[S&Q Shoot Mode] → [MR Cam.Set] → desired number.

Hint

Settings registered to a memory card using another camera of the same model name can be recalled with this camera.

Note

If you perform [MR Cam.Set] after completing the shooting settings, the registered settings will be given priority and the original settings may become invalid. Check the indicators on the screen before shooting.

Related Topic

Camera Set. Memory

TP1000787889

Help Guide

Digital Camera ZV-1M2

Fn Menu Settings







The Function menu is a menu of 12 functions that is displayed at the bottom of the screen when you press the Fn (Function) button in the shooting mode.

You can register 12 functions to the Function menus for still image shooting and movie shooting, respectively.

The following is the procedure for changing [🦬 Creative Look] in the still image function menu to [🚰 Grid Line Display].

- To change the movie function menu, select a movie function menu item in Step 2.
- **1** MENU \rightarrow \longleftrightarrow (Setup) \rightarrow [Operation Customize] \rightarrow select [Fn Menu Settings].
- Select St (Creative Look) from among the 12 still image function menu items using the top/bottom/left/right side of the control wheel, and then press the center.
- Move to the screen showing [Grid Line Display] using the top/bottom/left/right side of the control wheel.

 Then, select [Grid Line Display] and press the center of the control wheel.
 - Grid Line Display) will be displayed in the former location of the Creative Look) in the Function menu.

Hint

When [Touch Operation] is set to [On] and [Shooting Screen] is set to [On], you can also open [Fn Menu Settings] by holding down the icon in the function menu.

Related Topic

Fn (function) button

TP1000828544

Help Guide

Digital Camera ZV-1M2

Add Item







- $\text{MENU} \to \ \ ^{\hspace{-0.1cm} \bigwedge} \ \ \text{(My Menu)} \to \text{[My Menu Setting]} \to \text{[Add Item]}.$
- Select an item that you want to add to can (My Menu) using the top/bottom/left/right sides of the control wheel.
- Select a destination using the top/bottom/left/right sides of the control wheel.

Hint

lacksquare You can add up to 42 items to \mightharpoonup^{\wedge} (My Menu).

Note

- You cannot add the following items to (My Menu).

Related Topic

- Sort Item
- Delete Item
- MENU button

TP1000824112

Help Guide

Digital Camera ZV-1M2

Sort Item







You can rearrange the menu items added to $\[\]$ (My Menu) under MENU.

- Select an item that you want to move using the top/bottom/left/right sides of the control wheel.
- Select a destination using the top/bottom/left/right sides of the control wheel.

Related Topic

Add Item

TP1000824111

Help Guide

Digital Camera ZV-1M2

Delete Item

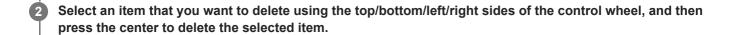






You can delete menu items added to \swarrow (My Menu) of MENU.





Hint

- $\bullet \ \ \, \text{To delete all the items on a page, select MENU} \rightarrow \not \nwarrow \ \, \text{(My Menu)} \rightarrow \text{[My Menu Setting]} \rightarrow \text{[Delete Page]}.$
- $\begin{tabular}{ll} \hline \bullet & You can delete all the items added to $\frac{1}{2}$ (My Menu) by selecting MENU $\to $\frac{1}{2}$ (My Menu) $\to $[My Menu Setting]$ $\to $[Delete All]$. } \\ \hline \end{tabular}$

Related Topic

- Delete Page
- Delete All
- Add Item

TP1000824110

Help Guide

Digital Camera ZV-1M2

Delete Page

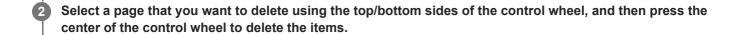






You can delete all the menu items added to a page under $\[\swarrow \]$ (My Menu) in MENU.





Related Topic

- Delete All
- Add Item

TP1000824109

Help Guide

Digital Camera ZV-1M2

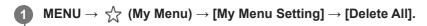
Delete All







You can delete all the menu items added to $\ \, \swarrow \ \,$ (My Menu) in MENU.





Related Topic

- Delete Page
- Add Item

TP1000824108

Help Guide

Digital Camera ZV-1M2

Display From My Menu







You can set My Menu to appear first when you press the MENU button.



 $MENU \rightarrow \swarrow (My Menu) \rightarrow [My Menu Setting] \rightarrow [Display From My Menu] \rightarrow desired setting.$

Menu item details

On:

My Menu appears first when you press the MENU button.

Off:

The most recently displayed menu appears when you press the MENU button.

Related Topic

- Add Item
- MENU button

TP1000827461

Help Guide

Digital Camera ZV-1M2

REC w/ Shutter (movie)







You can start or stop recording movies by pressing the shutter button, which is bigger and easier to press than the MOVIE (Movie) button.



 $MENU \rightarrow \longrightarrow (Setup) \rightarrow [Operation Customize] \rightarrow [) \longrightarrow REC w/ Shutter] \rightarrow desired setting.$

Menu item details

On:

Enables movie recording using the shutter button when the shooting mode is set to [Movie] or [S&Q Motion].

Off:

Disables movie recording using the shutter button.

Hint

■ When [► REC w/ Shutter] is set to [On], you can use the shutter button to start or stop recording movies on an external recording/playback device using [REC Control].

Related Topic

Shooting movies (Intelligent Auto)

TP1000824088

Help Guide

Digital Camera ZV-1M2

Monitor Flip Direction







The direction of image and menu screen displays can be inverted according to the camera orientation and the monitor angle/orientation.

- * When the camera's system software (firmware) version is Ver.2.00 or later
- Adjust the camera orientation and the monitor angle/orientation to the desired position.
- 3 Select the desired setting while checking the monitor.

Menu item details

Auto:

Inverts the direction of the monitor display by detecting the camera orientation and the monitor angle/orientation.

Mirror Flip:

Flips the monitor display around the shorter edge.

180 Degree Flip:

Rotates the monitor display 180 degrees.

No Flip:

Does not invert the display of the monitor.

Hint

■ By repeatedly pressing the key to which the [Switch Monitor Flip Disp] function is assigned, you can switch the setting in the order of [Mirror Flip] → [180 Degree Flip] → [No Flip] → [Mirror Flip]. When [Monitor Flip Direction] is set to [Auto], the display method is temporarily switched while the setting value remains [Auto].

Note

Even if [Monitor Flip Direction] is set to [Mirror Flip], the direction of the monitor display during playback will not be inverted.

TP1000832027

Help Guide

Digital Camera ZV-1M2

Vertical Display







Sets whether or not to automatically rotate the information display when you hold the camera vertically. This function can be used when the camera's system software (firmware) is Ver.2.00 or later.



 $MENU \rightarrow \ \ \ \ \ \ \ \$ (Setup) \rightarrow [Monitor] \rightarrow [Vertical Display] \rightarrow desired setting.

Menu item details

On:

Rotates the information display according to the camera orientation.

Off:

Does not rotate the information display regardless of the camera orientation.

About the vertical information display

During vertical display, the same information is provided as on the horizontal shooting screen, and it is arranged to match the orientation of the monitor.



About the controls during vertical display

During vertical display, the direction of the top/bottom/left/right side of the control wheel and the touch operations are also rotated to match the orientation of the monitor so that intuitive operation is possible.

The functions assigned to the top/bottom/left/right side of the control wheel using [a Custom Key Setting] or [Lustom Key Setting] will not rotate during vertical display.

Hint

- You can set the information to be displayed on the screen by selecting MENU → (Setup) → [Operation Customize] → [DISP (Screen Disp) Set], and the display mode can be switched by pressing the DISP (Display Setting) button.
- During vertical display in the movie recording modes, information other than the movie recording status and recording time will be hidden after a certain period of time if the screen display mode is set to [No Disp. Info.] and [Exposure: TimeOut] is selected.
- During vertical display, the touch function icons displayed on the left and right sides of the screen will also be arranged to match the screen orientation.

Note

The orientation of the camera cannot be detected when the lens is facing up or down.

- While recording movies, the information display will not rotate even if the camera's orientation changes.
- While recording movies with vertical display, [TC/UB Disp. Setting] cannot be changed from [Counter] to [TC] or [U-Bit].
- When [TC/UB Disp. Setting] is set to [TC] or [U-Bit] in the movie mode, [Vertical Display] switches to [Off].

Related Topic

- DISP (Screen Disp) Set
- DISP (Display Setting) button

TP1001834356

Help Guide

Digital Camera ZV-1M2

DISP (Screen Disp) Set







Allows you to set the screen display modes that can be selected using DISP (Display Setting) in shooting mode.



The items marked with \checkmark (check) are available.

Menu item details

Display All Info.:

Shows recording information.

No Disp. Info.:

Does not show recording information.

You can set whether to always display the exposure information or to hide exposure information after a certain period of time has elapsed from operation of the shutter button, etc. when shooting images. ([Exposure: On]/[Exposure: TimeOut])

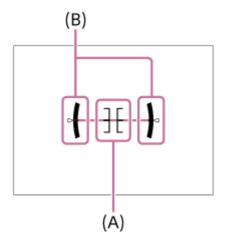
 During vertical display in the movie recording modes, information other than the movie recording status and recording time will be hidden after a certain period of time if the screen display mode is set to [No Disp. Info.] and [Exposure: TimeOut] is selected (when the camera's system software (firmware) is Ver.2.00 or later).

Histogram:

Displays the luminance distribution graphically.

Level:

Indicates whether the product is level in both the front-back (A) and horizontal (B) directions. When the product is level in either direction, the indicator turns to green.



Note

- If you tilt the product forward or backward by a large degree, the level error will be great.
- The product may have a margin of error of almost ±1° even when the inclination is corrected by the level.

Help Guide

Digital Camera ZV-1M2

Contents of this chapter

The following table of contents lists the features described in this chapter ("Viewing"). From each item name, you can jump to the page describing the respective functions.

Viewing images

- Playing back still images
- Enlarging an image being played back (Enlarge Image)
- Enlarge Initial Mag.
- Enlarge Initial Position
- Rotating recorded images automatically (Display Rotation)
- Playing back movies
- Volume Settings
- Playing back images using slideshow (Slide Show)
- Cont. Play for Interval
- Play Speed for Interval

Changing how images are displayed

- Playing back images on the image index screen (Image Index)
- Switching between still images and movies (View Mode)
- Display as Group
- Disp Specified Time Img.

Protecting recorded images (Protect)

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- Rating
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Extracting still images from a movie

Photo Capture

Deleting images

- Deleting multiple selected images (Delete)
- Delete pressing twice
- Delete confirm.

Viewing images on a TV

Viewing images on a TV using an HDMI cable

TP1000940102

Help Guide

Digital Camera ZV-1M2

Playing back still images

Plays back the recorded images.

Press the (Playback) button to switch to the playback mode.

You can touch (Playback) on the screen to switch to the playback mode. If the touch function icons are not displayed, swipe left or right on the monitor to display them. For details, refer to "Touch function icons."

- Select the image with the control wheel.
 - When [Display as Group] is set to [On], images shot with continuous shooting or interval shooting are displayed as one group. To play back the images in the group, press the center of the control wheel.

Hint

- The product creates an image database file on a memory card to record and play back images. An image that is not registered in the image database file may not be played back correctly. To play back images shot using other devices, register those images to the image database file using MENU → [○]/▶■ (Shooting) → [Media] → [♣ Recover Image DB].
- If you play back the images right after continuous shooting, the monitor may display an icon indicating that data is being written/the number of images left to write. During writing, some functions are not available.

Related Topic

- Recover Image DB (still image/movie)
- Display as Group
- Enlarging an image being played back (Enlarge Image)
- Touch function icons

TP1000787248

Help Guide

Digital Camera ZV-1M2

Enlarging an image being played back (Enlarge Image)

Enlarges the still image being played back. Use this function to check the focus of the image, etc.

- ① Display the image you want to enlarge, and slide the W/T (zoom) lever to the T side.
 - Slide the W/T (zoom) lever to the W side to adjust the zoom scale.
 - The view will zoom in on the part of the image where the camera focused during shooting. If the focus location information cannot be obtained, the camera will zoom in on the center of the image.
- Select the portion you want to enlarge by pressing the top/bottom/right/left sides of the control wheel.
- 3 Press the MENU button or the center of the control wheel to exit the playback zoom.

Hint

- You can also enlarge an image being played back using MENU.
- You can also enlarge the image by touching the monitor. Drag the monitor to move the enlarged position. Set [Touch Operation] to [On] and [Playback Screen] to [On] beforehand.

Related Topic

- Enlarge Initial Mag.
- Enlarge Initial Position
- Touch Operation
- Playback Screen

TP1000811368



Help Guide

Digital Camera ZV-1M2

Enlarge Initial Mag.

Sets the initial magnification scale when playing back enlarged images.

1

 $\textbf{MENU} \rightarrow \ \ \, \textbf{[Magnification]} \rightarrow \ \ \, \textbf{[} \oplus \text{Enlarge Initial Mag.]} \rightarrow \text{desired setting.}$

Menu item details

Standard. Mag.:

Displays an image with the standard magnification.

Previous Mag.:

Displays an image with the previous magnification. The previous magnification is stored even after the enlarged display screen is closed.

Related Topic

- Enlarging an image being played back (Enlarge Image)
- Enlarge Initial Position

TP1000819664



Help Guide

Digital Camera ZV-1M2

Enlarge Initial Position

Sets the initial position when enlarging an image in playback.



 $\textbf{MENU} \rightarrow \ \ \, \textbf{[Magnification]} \rightarrow \ \ \, \textbf{[} \oplus \ \ \, \textbf{Enlarge Initial Position]} \rightarrow \ \ \, \textbf{desired setting.}$

Menu item details

Focused Position:

Enlarges the image from the point of focus during shooting.

Center

Enlarges the image from the center of the screen.

Related Topic

- Enlarging an image being played back (Enlarge Image)
- Enlarge Initial Mag.

TP1000819675

Help Guide

Digital Camera ZV-1M2

Rotating recorded images automatically (Display Rotation)

Selects the orientation when playing back recorded images.



 $MENU \rightarrow \blacktriangleright$ (Playback) \rightarrow [Playback Option] \rightarrow [Display Rotation] \rightarrow desired setting.

Menu item details

Auto:

When you rotate the camera, the camera detects the vertical and horizontal directions, and displays the image being played back according to the orientation.

Manual:

Images shot vertically are displayed vertically. If you have set the image orientation using the [Rotate] function, the image will be displayed accordingly.

Off:

Images are always displayed horizontally.

Note

Movies shot vertically are played back horizontally during movie playback.

Related Topic

Rotating an image (Rotate)

TP1000787258

Help Guide

Digital Camera ZV-1M2

Playing back movies

Plays back the recorded movies.



Select the movie to be played back using the control wheel and press the center of the control wheel to start playback.

Available operations during movie playback

You can perform slow playback and sound volume adjustment, etc. by pressing the down side of the control wheel.

Playback

■ I : Pause

: Fast-forward : Fast-rewind

■ Forward slow playback

■ **■** : Reverse slow playback

Next movie file

Previous movie file

Displays the next frame

Output Displays the previous frame

Photo Capture

slip j

): Sound volume adjustment

S: Closes the operation panel

Hint

- The product creates an image database file on a memory card to record and play back images. An image that is not registered in the image database file may not be played back correctly. To play back images shot using other devices, register those images to the image database file using MENU → ② / ▶■ (Shooting) → [Media] → [♣ Recover Image DB].
- "Forward slow playback," "Reverse slow playback," "Displays the next frame" and "Displays the previous frame" are available during pause.
- Movie files recorded using other products may not be playable on this camera.
- For movies with Shot Marks, the positions of the Shot Marks are displayed on the playback bar during movie playback. In addition, the Shot Mark icon is displayed on the screen when a scene to which a Shot Mark was added is played back.

Note

Even if you shoot the movie vertically, the movie will be displayed horizontally on the screen of the camera.

Related Topic

- Recover Image DB (still image/movie)
- Switching between still images and movies (View Mode)

Help Guide

Digital Camera ZV-1M2

Volume Settings

Sets the sound volume for movie playback.



 $MENU \rightarrow \overrightarrow{\text{F--}}$ (Setup) \rightarrow [Sound Option] \rightarrow [Volume Settings] \rightarrow desired setting.

Adjusting the volume during playback

Press the bottom side of the control wheel while playing back movies to display the operation panel, then adjust the volume. You can adjust the volume while listening to the actual sound.

TP1000787174

Help Guide

Digital Camera ZV-1M2

Playing back images using slideshow (Slide Show)

Automatically plays back images continuously.



Select [Enter].

Menu item details

Repeat:

Select [On], in which images are played back in a continuous loop, or [Off], in which the product exits the slideshow when all the images are played back once.

Interval:

Select the display interval for images from among [1 Sec], [3 Sec], [5 Sec], [10 Sec] or [30 Sec].

To quit the slideshow in the middle of playback

Press the MENU button to quit the slideshow. You cannot pause the slideshow.

Hint

- During playback, you can display the next/previous image by pressing the right/left side of the control wheel.
- You can activate a slideshow only when [View Mode] is set to [Date View] or [Folder View(Still)].

TP1000787259

Help Guide

Digital Camera ZV-1M2

Cont. Play for Interval

Continuously plays back images shot using interval shooting.

You can create movies from still images produced by interval shooting using the computer software Imaging Edge Desktop(Viewer). You cannot create movies from the still images on the camera.



2 Select the image group that you want to play back, and then press the center of the control wheel.

Hint

- On the playback screen, you can start continuous playback by pressing the down button while displaying an image in the group.
- You can resume play or pause by pressing the down button during playback.
- You can change the playback speed by turning the control wheel during playback. You can also change the playback speed by selecting MENU → ► (Playback) → [Viewing] → [Play Speed for ♠ Interval].
- You can continuously play back images shot with continuous shooting as well.

Related Topic

- Interval Shoot Func.
- Play Speed for Interval
- Introduction to computer software (Imaging Edge Desktop/Catalyst)

TP1000827007



Help Guide

Digital Camera ZV-1M2

Play Speed for Interval

Sets the playback speed for still images during [Cont. Play for 🐧 Interval].

Hint

■ You can also change the playback speed by turning the control wheel during [Cont. Play for the interval].

Related Topic

Cont. Play for Interval

TP1000827006

Help Guide

Digital Camera ZV-1M2

Playing back images on the image index screen (Image Index)

You can display multiple images at the same time in playback mode.

- Slide the W/T (zoom) lever to the W side while the image is being played back.
- Select the image by pressing the top/bottom/right/left sides of the control wheel or turning the control wheel.

To change the number of images to be displayed

 $MENU \rightarrow \blacktriangleright$ (Playback) \rightarrow [Playback Option] \rightarrow [Image Index] \rightarrow desired setting.

Menu item details

9 Images/25 Images

To return to single-image playback

Select the desired image and press the center of the control wheel.

To display a desired image quickly

Select the bar on the left of the image index screen using the control wheel, then press the top/bottom sides of the control wheel. While the bar is being selected, you can display the calendar screen or folder selection screen by pressing the center. In addition, you can switch View Mode by selecting an icon.

Related Topic

Switching between still images and movies (View Mode)

TP1000787250

Help Guide

Digital Camera ZV-1M2

Switching between still images and movies (View Mode)

Sets the View Mode (image display method).



 $\textbf{MENU} \rightarrow \boxed{\blacktriangleright} \textbf{ (Playback)} \rightarrow \textbf{[Playback Target]} \rightarrow \textbf{[View Mode]} \rightarrow \textbf{desired setting.}$

Menu item details

Date View:

Displays the images by date.

Folder View(Still):

Displays only still images.

Movie View:

Displays only movies by date.

TP1000787257

Help Guide

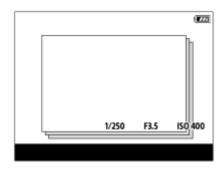
Digital Camera ZV-1M2

Display as Group

Sets whether or not to display continuously shot images or images shot using interval shooting as a group.



 $\textbf{MENU} \rightarrow \boxed{\blacktriangleright} \ \ (\textbf{Playback}) \rightarrow \boxed{\textbf{Playback Option}} \rightarrow \boxed{\textbf{Display as Group}} \rightarrow \textbf{desired setting}.$



Menu item details

On:

Displays images as a group.

To play back the images in a group, select the group and press the center of the control wheel.

Off:

Does not display images as a group.

Hint

- The following images are grouped.
 - Images shot with [Drive Mode] set to [Cont. Shooting] (One sequence of images shot continuously by holding down the shutter button during continuous shooting becomes one group.)
 - Images shot with [Interval Shoot Func.] (Images shot during one session of interval shooting become one group.)
- On the image index screen, (Display as Group) icon is displayed over the group.

Note

If you delete the group, all the images in the group will be deleted.

Related Topic

- Cont. Shooting
- Interval Shoot Func.

TP1000825151



Help Guide

Digital Camera ZV-1M2

Disp Specified Time Img.

You can play back images by specifying the shooting date and time.

Set the date and time of the image to be played back using the control wheel, and then press the center.

The image shot on the specified date and time will be played back.

• If there are no images shot on the specified date and time, the image shot on the closest date and time will be played back.

Note

- When [Disp Specified Time Img.] is performed while playing back images in a group, the image shot on the closest date and time in the group is played back.
- For movies, the date and time when the recording was started are treated as the shooting date and time.

TP1000830774

Help Guide

Digital Camera ZV-1M2

Protecting recorded images (Protect)

Protects recorded images against accidental erasure. The omega (protect) mark is displayed on protected images.



 $\textbf{MENU} \rightarrow \boxed{\blacktriangleright} (\textbf{Playback}) \rightarrow [\textbf{Selection/Memo}] \rightarrow [\textbf{Protect}] \rightarrow \textbf{desired setting}.$

Menu item details

Multiple Img.:

Applies the protection of the selected multiple images.

- (1) Select the image to be protected, then press the center of the control wheel. The \checkmark (check) mark is displayed in the check box. To cancel the selection, press the center again to remove the \checkmark (check) mark.
- (2) To protect other images, repeat step (1).
- (3) MENU \rightarrow [OK].

All in this Folder:

Protects all images in the selected folder.

Cancel All in this Folder:

Cancels the protection of all images in the selected folder.

All with this date:

Protects all images taken on the selected date.

Cancel All with this date:

Cancels the protection of all images taken on the selected date.

All Images in This Group:

Protects all the images in the selected group.

Cancel All in This Group:

Cancels the protection of all the images in the selected group.

Hint

- If you assign [Protect] to the key of your choice using MENU → (Setup) → [Operation Customize] → [► Custom Key Setting], you can protect images or cancel protection by simply pressing the key.
- If you select a group in [Multiple Img.], all the images in the group will be protected. To select and protect particular images within the group, execute [Multiple Img.] while displaying the images within the group.

Note

The menu items that can be selected vary according to the [View Mode] setting and the selected content.

TP1000787261

Help Guide

Digital Camera ZV-1M2

Rating

You can assign ratings to recorded images on a scale of the number of stars (* - * *) to make it easier to find images.

The image rating selection screen will appear.

- Press the left/right sides of the control wheel to display an image to which you want to assign a rating, and then press the center.
- Select the level of \bigstar (Rating) by pressing the left/right side of the control wheel, and then press the center.
- Press the MENU button to exit the rating setting screen.

To set ratings when shooting still images

Assign [Add Rating (**)] through [Add Rating (**)] to the desired keys using [** Custom Key Setting] in advance and press the custom keys after shooting a still image. You can set the rating for the last shot still image.

Ratings cannot be set when shooting movies.

Hint

You can also assign ratings when playing back images by using the custom key. Assign [Rating] to the desired key using [Custom Key Setting] beforehand, and then press the custom key while playing back an image to which you want to assign a rating. The level of ** (Rating) changes each time you press the custom key.

Related Topic

- Assigning frequently used functions to buttons (Custom Key Setting)
- Rating Set(Custom Key)

TP1000825927

Help Guide

Digital Camera ZV-1M2

Rating Set(Custom Key)

Sets the available number of \bigstar (rating) when rating (ranking) images with the key to which you have assigned [Rating] using [\blacktriangleright Custom Key Setting].

Add a

(check) mark to the number of

(rating) that you want to activate.

You can select the checked number when setting [Rating] using the custom key.

Related Topic

- Rating
- Assigning frequently used functions to buttons (Custom Key Setting)

TP1000825926

Help Guide

Digital Camera ZV-1M2

Rotating an image (Rotate)

Rotates a recorded image counter-clockwise.



2 Press the center of the control wheel.

The image is rotated counter-clockwise. The image rotates as you press the center. If you rotate the image once, the image remains rotated even after the product is turned off.

Note

- Even if you rotate a movie file, it will be played back horizontally on the monitor of the camera.
- You may not be able to rotate images shot using other products.
- When viewing rotated images on a computer, the images may be displayed in their original orientation depending on the software.

TP1000787260

Help Guide

Digital Camera ZV-1M2

Photo Capture

Captures a chosen scene in a movie to save as a still image. First shoot a movie, then pause the movie during playback to capture decisive moments that tend to be missed when shooting still images, and save them as still images.

- 1 Display the movie that you want to capture as a still image.
- **2** MENU \rightarrow [Playback) \rightarrow [Edit] \rightarrow [Photo Capture].
- Play back the movie and pause it.
- Find the desired scene using forward slow playback, reverse slow playback, displays the next frame, and displays the previous frame, and then stop the movie.
- 5 Press (Photo Capture) to capture the chosen scene.

The scene is saved as a still image.

Related Topic

- Shooting movies (Intelligent Auto)
- Playing back movies

TP1000819668

Help Guide

Digital Camera ZV-1M2

Deleting multiple selected images (Delete)

You can delete multiple selected images. Once you have deleted an image, you cannot restore it. Confirm the image to be deleted beforehand.



 $MENU \rightarrow \blacktriangleright$ (Playback) \rightarrow [Delete] \rightarrow [Delete] \rightarrow desired setting.

Menu item details

All Other Than This Img.:

Deletes all images in the group except the selection.

All Images in This Group:

Deletes all images in the selected group.

Multiple Img.:

Deletes the selected images.

- (1) Select the images to be deleted, then press the center of the control wheel. The \checkmark (check) mark is displayed in the check box. To cancel the selection, press the center again to remove the \checkmark (check) mark.
- (2) To delete other images, repeat step (1).
- (3) MENU \rightarrow [OK].

All in this Folder:

Deletes all images in the selected folder.

All with this date:

Deletes all images taken on the selected date.

Hint

- Perform [Format] to delete all images, including protected images.
- To display the desired folder or date, select the desired folder or date during playback by performing the following procedure:
 (Image Index) lever → select the bar on the left using the control wheel → select the desired folder or date using the top/bottom sides of the control wheel.
- If you select a group in [Multiple Img.], all the images in the group will be deleted. To select and delete particular images within the group, execute [Multiple Img.] while displaying the images within the group.

Note

- The protected images cannot be deleted.
- The menu items that can be selected vary according to the [View Mode] setting and the selected content.

Related Topic

- Display as Group
- Delete button
- Format

TP1000787253

Help Guide

Digital Camera ZV-1M2

Delete pressing twice

Sets whether or not you can delete the image currently being played back by pressing the $\hat{\mathbf{m}}$ (Delete) button twice in sequence.



 $MENU \rightarrow \blacktriangleright$ (Playback) \rightarrow [Delete] \rightarrow [\rightleftharpoons Delete pressing twice] \rightarrow desired setting.

Menu item details

On:

Enables you to delete the image currently being played back by pressing the 🗂 (Delete) button twice.

Off:

Does not enable you to delete the image currently being played back by pressing the 🗂 (Delete) button twice.

TP1000829933



Help Guide

Digital Camera ZV-1M2

Delete confirm.

You can set whether [Delete] or [Cancel] is selected as a default on the delete confirmation screen.

Menu item details

"Delete" first:

[Delete] is selected as the default setting.

"Cancel" first:

[Cancel] is selected as the default setting.

TP1000787085

Help Guide

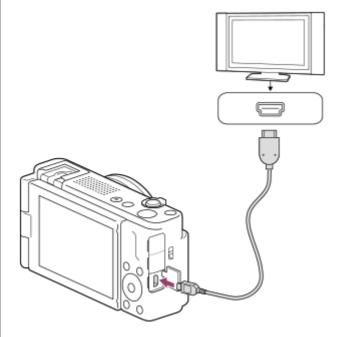
Digital Camera ZV-1M2

Viewing images on a TV using an HDMI cable

To view images stored on this product using a TV, an HDMI cable (sold separately) and a TV equipped with an HDMI jack are required. For details, refer to the operating instructions supplied with the compatible TV.

- 1 Turn off both this product and the TV.
- Connect the HDMI terminal of this product to the HDMI jack of the TV using an HDMI cable (sold separately).

Use an HDMI cable that is compatible with the HDMI Type-D micro jack of the product and the HDMI jack of the TV.



- 3 Turn on the TV and switch the input.
- 4 Turn on this product.

Images shot with the product appear on the TV screen.

- 5 Select an image using the right/left sides of the control wheel.
 - The monitor of this camera is not lit up on the playback screen.
 - If the playback screen is not displayed, press the (Playback) button.

Note

- Do not connect this product and another device using the output terminals of both. Doing so may cause a malfunction.
- Some devices may not work properly when connected to this product. For example, they may not output video or audio.
- Use an HDMI cable with the HDMI logo or a genuine Sony cable.

- When [Time Code Output] is set to [On], the image may not be output properly to the TV or recording device. In such cases, set [Time Code Output] to [Off].
- If images do not appear on the TV screen properly, select MENU \rightarrow [External Output] \rightarrow [External Output] \rightarrow [160p/1080p], [1080p] or [1080i] according to the TV to be connected.
- During HDMI output, when you switch the movie from 4K to HD image quality or vice-versa, or change the movie to a different frame rate or different color mode, the screen may become dark. This is not a malfunction.
- When [Px Proxy Recording] under [Px Proxy Settings] is set to [On], images cannot be output to an HDMI device during 4K movie recording.
- If the product performs unwanted operations in response to the TV remote control, select MENU → (Setup) → (External Output) → [CTRL FOR HDMI] → [Off].

TP1000811395

Help Guide

Digital Camera ZV-1M2

Format

When you use a memory card with this camera for the first time, we recommend that you format the card using the camera for stable performance of the memory card. Note that formatting permanently erases all data on the memory card, and is unrecoverable. Save valuable data on a computer, etc.

Select [Enter]. (Quick formatting)

If you press the m (Delete) button, a message to perform full formatting will be displayed. You can launch full formatting by selecting [Enter].

The difference between quick formatting and full formatting

Perform full formatting when you feel like the speed of recording to the memory card or read-out from the memory card has become slow, or when you want to erase data completely, etc.

Full formatting takes longer than quick formatting, because all areas of the memory card are initialized.

Hint

You can cancel full formatting before it is completed. Even if you cancel full formatting in the middle of the process, the data will be erased, so you can use the memory card as is.

Note

- Formatting permanently erases all data including protected images and registered settings (from M1 to M4).
- The access lamp lights up during formatting. Do not remove the memory card while the access lamp is lit up.
- Format the memory card on this camera. If you format the memory card on the computer, the memory card may not be usable depending on the format type.
- It may take a few minutes to complete formatting, depending on the memory card.
- If the battery pack is extremely depleted, formatting cannot be performed. Use a sufficiently charged battery pack.

Related Topic

- Memory cards that can be used
- Notes on memory card

TP1000787097

Help Guide

Digital Camera ZV-1M2

Recover Image DB (still image/movie)

If image files were processed on a computer, problems may occur in the image database file. In such cases, the images on the memory card will not be played back on this product. Also, if you use a memory card in the camera after using it in another device, the images on the memory card may not be played back correctly. For example, the images may not be displayed as a group. If these problems happen, repair the file using [Recover Image DB]. Images recorded on the memory card are not deleted by [Recover Image DB].



Note

If the battery pack is extremely depleted, image database files cannot be repaired. Use a sufficiently charged battery pack.

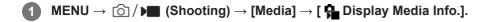
TP1000787102

Help Guide

Digital Camera ZV-1M2

Display Media Info. (still image/movie)

Displays the recordable number of still images and the remaining recording time for movies on the memory card.



TP1000787103

Help Guide

Digital Camera ZV-1M2

File/Folder Settings

Configure settings related to the folder and file name of the still image to be shot.



 $\textbf{MENU} \rightarrow \text{$\lceil \overleftarrow{O} \rceil$ (Shooting)} \rightarrow \text{[File]} \rightarrow \text{[File/Folder Settings]} \rightarrow \text{desired setting.}$

Menu item details

File Number:

You can set how to assign file numbers to still images.

[Series]: Does not reset file numbers for each folder.

[Reset]: Resets file numbers for each folder.

Forced File Number Reset:

Resets the still image file number and creates a new folder.

Set File Name:

You can specify the first three characters of the file name.

Folder Name:

You can set how folder names are assigned.

[Standard Form]: Folders are named as "folder number + any 5 characters". Example: 100MSDCF

[Date Form]: Folders are named as "folder number + Y (the last digit of the year)/MM/DD".

Example: 10030405 (Folder number: 100; date: 04/05/2023)

Hint

- When [Folder Name] is set to [Standard Form], the last 5 characters of the folder name can be set using [Create New Folder]. (Only uppercase letters, numbers, and underscores can be entered.)
- You can also change the last five characters of the folder name by using [Forced File Number Reset].

Note

- Only capital letters, numbers, and underscores can be used for [Set File Name]. Underscores cannot be used for the first character.
- The three characters specified using [Set File Name] are only applied to files recorded after the setting is made.

Related Topic

- Create New Folder
- File Settings

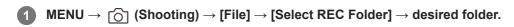
TP1000827460

Help Guide

Digital Camera ZV-1M2

Select REC Folder

If [Folder Name] under [File/Folder Settings] is set to [Standard Form] and there are 2 folders or more, you can select the folder on the memory card to which images are to be recorded.



Note

You cannot select the folder when [Folder Name] under [File/Folder Settings] is set to [Date Form].

Related Topic

- File/Folder Settings
- Create New Folder

TP1000787099

Help Guide

Digital Camera ZV-1M2

Create New Folder

Creates a new folder on the memory card for recording still images. A new folder is created with a folder number one greater than the largest folder number currently used. Images are recorded in the newly created folder. Up to 4 000 images in total can be stored in one folder. When the folder capacity is exceeded, a new folder may be automatically created.



 $MENU \rightarrow [\bigcirc]$ (Shooting) \rightarrow [File] \rightarrow [Create New Folder].

Hint

The name of the folder that is created will vary depending on the [Folder Name] setting.
[Standard Form]: In the folder name "Folder number + any 5 characters", +1 will be added to the folder number.

Example: 100MSDCF → 101MSDCF

[Date Form]: In the folder name "Folder number + year/month/day (last digit of the year and 4 digits representing the month/day)", +1 will be added to the folder number.

Example: $10040405 \rightarrow 10140405$

- When [Folder Name] is set to [Standard Form], the last 5 characters of the folder name can be set using [Create New Folder]. (Only uppercase letters, numbers, and underscores can be entered.)
- You can also set the last 5 characters of the folder name by using [Forced File Number Reset].

Note

- When you insert a memory card that was used with other equipment into this product and shoot images, a new folder may be automatically created.
- You cannot change the folder name when [Folder Name] under [File/Folder Settings] is set to [Date Form].

Related Topic

File/Folder Settings

TP1000787100

Help Guide

Digital Camera ZV-1M2

File Settings

Configure settings for the file names of recorded movies.



 $MENU \rightarrow \$ (Shooting) \rightarrow [File] \rightarrow [File Settings] \rightarrow desired setting item.

Menu item details

File Number:

You can set how to assign file numbers to movies.

[Series]: Does not reset file numbers even if the memory card is changed.

[Reset]: Resets the file number when the memory card is changed.

Series Counter Reset:

Resets the series counter used when [File Number] is set to [Series].

File Name Format:

You can set the format for movie file names.

[Standard]: The file name of the recorded movie starts with "C." Example: C0001

[Title]: The file name of the recorded movie becomes "Title+File number."

[Date + Title]: The file name of the recorded movie becomes "Date+Title+File number."

[Title + Date]: The file name of the recorded movie becomes "Title+Date+ File number."

Title Name Settings:

You can set the title when [File Name Format] is set to [Title], [Date + Title], or [Title + Date].

Note

- When entering [Title Name Settings], the number/types of characters that can be entered are as follows. The maximum length is 37 characters. The types of characters that can be entered are letters of the alphabet, numbers, and symbols $(.-_@!#\$\%+=^{\sim}(),:[])$.
- Titles specified using [Title Name Settings] are only applied to movies recorded after the setting is made.
- You cannot set how folder names are assigned for movies.
- If you are using an SDHC memory card, [File Name Format] is locked to [Standard].
- If you insert a memory card used with [File Name Format] set to one of the following into another device, the memory card may not function properly.
 - [Title]
 - [Date + Title]
 - [Title + Date]
- If there are unused numbers due to file deletion, etc., these numbers will be reused when the movie file number reaches "9999."

Related Topic

File/Folder Settings

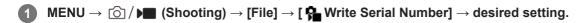
TP1000827459

Help Guide

Digital Camera ZV-1M2

Write Serial Number (still image/movie)

Writes the camera's serial number when shooting.



Menu item details

On:

Writes the camera's serial number to the image.

Off:

Does not write the camera's serial number to the image.

TP1000827002

Help Guide

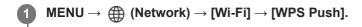
Digital Camera ZV-1M2

WPS Push

If your access point has a Wi-Fi Protected Setup (WPS) button, you can register the access point to this product easily. For details about the available functions and settings of your access point, see the access point operating instructions or contact the administrator of the access point.

In advance, prepare to connect to the Wi-Fi network by pairing the camera with your smartphone.

This function can be used when the camera's system software (firmware) is Ver.2.00 or later.



Push the Wi-Fi Protected Setup (WPS) button on the access point to connect.

Note

- [WPS Push] works only if the security setting of your access point is set to WPA* or WPA2 and your access point supports the Wi-Fi Protected Setup (WPS) button method. If the security setting is WEP* only or your access point does not support the Wi-Fi Protected Setup (WPS) button method, perform [Access Point Set.].
 - * If the camera's system software (firmware) is Ver.2.01 or later, wireless connections using WEP or WPA are not supported
- To ensure a secure wireless LAN connection, we strongly recommend using an access point with WPA2 security settings.
- Connecting to an access point without security settings may result in hacking, access from malicious third parties, or attacks on vulnerabilities. Unless there is a specific reason, we do not recommend using an access point without security settings.
- It is important that you set the security settings when using a wireless LAN. If a security problem arises because no security precautions are in place or due to any inevitable circumstances when using a wireless LAN, Sony bears no responsibility for the loss or damage.
- A connection may not be possible or the communication distance may be shorter depending on the surrounding conditions, such as the type of wall material and the presence of obstructions or radio waves between the product and access point. In this case, change the location of the product or move the product closer to the access point.

Related Topic

Access Point Set.

TP1000787055

Help Guide

Digital Camera ZV-1M2

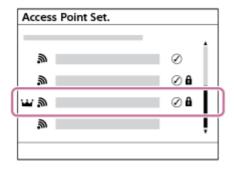
Access Point Set.

You can register your access point manually. Before starting the procedure, check the SSID name of the access point, security system, and password. The password may be preset in some devices. For details, see the access point operating instructions, or consult the access point administrator.

In advance, prepare to connect to the Wi-Fi network by pairing the camera with your smartphone.

This function can be used when the camera's system software (firmware) is Ver.2.00 or later.

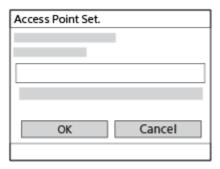
- 2 Select the access point you want to register.



When the desired access point is displayed on the screen: Select the desired access point.

When the desired access point is not displayed on the screen: Select [Manual Setting] and set the access point.*

- If you select [Manual Registration], input the SSID name of the access point, then select the security system. The default security method is [WPA2].
- If you select [WPS PIN], you can register the access point by entering the PIN code displayed on the camera into the connected device.
- * If the camera's system software (firmware) is Ver.2.01 or later, wireless connections using WEP or WPA are not supported.
- Input the password, and select [OK].



- Access points without (Lock mark) do not require a password.
- Note that unmasking your password risks revealing your password to a third party. Make sure that no one is around before unmasking.
- 4 Select [OK].

Other setting items

Depending on the status or the setting method of your access point, you may want to set more items.

For an unregistered access point, select the [Detail] button on the password entry screen.

For a registered access point, press the right side of the control wheel on the access point selection screen.

Priority Connection:

Select [On] or [Off].

IP Address Setting:

Select [Auto] or [Manual].

IP Address:

If you are entering the IP address manually, enter the set address.

Subnet Mask/Default Gateway/Primary DNS Server/Second DNS Server:

If you have set [IP Address Setting] to [Manual], enter each address according to your network environment.

Hint

- When you select a registered access point, [Priority Connection] for that access point becomes set to [On], prioritizing connections to that access point.
- The prioritized access point is marked with a (crown) icon.

Note

- When manually setting an access point or IP address, the number and types of characters that can be entered are as follows.
 - SSID : The maximum length is 32 characters. The types of characters that can be entered are letters of the alphabet (both uppercase and lowercase), numbers, and symbols.
 - Password: The length must be between 8 and 64 characters. The types of characters that can be entered are letters of the alphabet (both uppercase and lowercase), numbers, and symbols.
 - IP Address / Subnet Mask / Default Gateway / Primary DNS Server / Second DNS Server: The maximum length is 15 characters. The types of characters that can be entered are numbers and "." only.
- Once an access point is registered, [Priority Connection] for that access point is set to [On]. If you want to stop preferentially connecting to a certain access point, set [Priority Connection] for the access point to [Off].

Related Topic

- WPS Push
- Keyboard screen

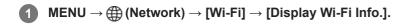
TP1000787056

Help Guide

Digital Camera ZV-1M2

Display Wi-Fi Info.

Displays the camera's Wi-Fi MAC address.



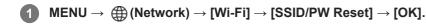
TP1000827298

Help Guide

Digital Camera ZV-1M2

SSID/PW Reset

This product shares connection information with devices that have permission to connect when connecting to a smartphone. If you want to change which devices have permission to connect, reset the connection information.



Note

If you connect this product to a smartphone after resetting the connection information, you must make the settings for the smartphone again.

Related Topic

Operating the camera from a computer

TP1000787059

Help Guide

Digital Camera ZV-1M2

Bluetooth Settings

Controls the settings for connecting the camera to a smartphone or Bluetooth remote commander or shooting grip via a Bluetooth connection.



 $MENU \rightarrow \bigoplus$ (Network) \rightarrow [Bluetooth] \rightarrow Select a menu item and set the desired parameter.

Menu item details

Bluetooth Function:

Sets whether to activate or not the Bluetooth function of the camera. ([On]/[Off])

Pairing:

Displays the screen for pairing the camera and smartphone or Bluetooth remote commander.

Manage Paired Device:

Enables you to check or delete the pairing information for devices paired with the camera.

Bluetooth Rmt Ctrl:

Sets whether or not to use a Bluetooth compatible remote commander (sold separately). ([On]/[Off])

Disp Device Address:

Displays the BD address of the camera.

Note

- When establishing a Bluetooth connection, only pair with trusted devices. Avoid unsolicited pairing requests or connections to unknown devices.
- Turn off the Bluetooth function when not in use.
- Check your paired devices regularly and delete any unnecessary ones.
- After you delete the pairing information for the camera from your smartphone, delete pairing information for the smartphone from the camera using [Manage Paired Device].

Related Topic

- Bluetooth Rmt Ctrl
- Cnct. while Power OFF (smartphone)
- Pairing the camera with a smartphone (Smartphone Connection)

TP1000819556

Help Guide

Digital Camera ZV-1M2

Bluetooth Rmt Ctrl

appear.

You can operate the camera using a Bluetooth compatible remote commander (sold separately) or shooting grip (sold separately). For details on compatible remote commanders or shooting grips, visit the Sony website in your area, or consult your Sony dealer or local authorized Sony service facility.

- $\textbf{0} \quad \text{On the camera, select MENU} \rightarrow \bigoplus \text{ (Network)} \rightarrow \text{[Bluetooth]} \rightarrow \text{[Bluetooth Function]} \rightarrow \text{[On]}.$
- On the camera, select MENU → (Network) → [Bluetooth] → [Bluetooth Rmt Ctrl] → [On].
 If there is no Bluetooth device currently paired with the camera, the screen for pairing as described in Step 3 will
- On the camera, select MENU $\rightarrow \bigoplus$ (Network) \rightarrow [Bluetooth] \rightarrow [Pairing] to display the screen for pairing.
- 4 On the Bluetooth remote commander, perform pairing.
 - For details, refer to the instruction manual for the Bluetooth remote commander.
- 6 On the camera, select [OK] on the confirmation screen for the Bluetooth connection.
 - Pairing is complete, and you can now operate the camera from the Bluetooth remote commander. After pairing
 the device once, you can connect the camera and the Bluetooth remote commander again in the future by
 setting [Bluetooth Rmt Ctrl] to [On].

Menu item details

On:

Enables Bluetooth remote commander operation.

Off:

Disables Bluetooth remote commander operation.

Icons for Bluetooth connection

(Bluetooth connection available): Bluetooth connection with the Bluetooth remote commander is established.
(Bluetooth connection unavailable): Bluetooth connection with the Bluetooth remote commander is not established.

Icons displayed when connecting to a Bluetooth remote commander

(remote commander mark): A Bluetooth remote commander can be used.

Hint

- The Bluetooth connection is only active while you are operating the camera using the Bluetooth remote commander.
- The Bluetooth icon is not displayed when the touch function icons are displayed in the movie recording mode. To see the Bluetooth icon, swipe the touch function icons left or right to hide the touch function icons.

■ If the (Bluetooth connection available) icon is displayed on the screen but (remote commander mark) is not displayed, set [Bluetooth Rmt Ctrl] to [On] and follow the on-screen instructions.

Note

- When you initialize the camera, the pairing information is also deleted. To use the Bluetooth remote commander, perform pairing again.
- If the Bluetooth connection is unstable, remove any obstacles, such as people or metal objects from between the camera and the paired Bluetooth remote commander.
- The following functions cannot be used when [Bluetooth Rmt Ctrl] is set to [On].
 - Power-saving mode
- Only one Bluetooth remote commander can be connected to the camera at a time.
- If the function does not work properly, check the following notes and then try pairing again.
 - Confirm that [Airplane Mode] for the camera is set to [Off].
 - If the function does not work properly even after you have performed the above operations, delete the pairing information for the device that you want to connect using [Manage Paired Device] on the camera.
- When establishing a Bluetooth connection, only pair with trusted devices. Avoid unsolicited pairing requests or connections to unknown devices.
- Turn off the Bluetooth function when not in use.
- Check your paired devices regularly and delete any unnecessary ones.
- After you delete the pairing information for the camera from your smartphone, delete pairing information for the smartphone from the camera using [Manage Paired Device].

Related Topic

Bluetooth Settings

TP1000827300

Help Guide

Digital Camera ZV-1M2

Airplane Mode

When you board an airplane, etc., you can temporarily disable all the wireless-related functions including Wi-Fi.



If you set [Airplane Mode] to [On], an airplane mark will be displayed on the screen.

TP1000787054

Help Guide

Digital Camera ZV-1M2

Edit Device Name

You can change the device name for Wi-Fi or Bluetooth connections.

- **1** MENU \rightarrow **(Network)** \rightarrow [Network Option] \rightarrow [Edit Device Name].
- Select the input box, then input the device name \rightarrow [OK].

Note

When entering the device name, the number/types of characters that can be entered are as follows.
The maximum length is 20 characters. The types of characters that can be entered are letters of the alphabet (both uppercase and lowercase), numbers, and symbols.

Related Topic

Keyboard screen

TP1000787057

Help Guide

Digital Camera ZV-1M2

Importing root certification to the camera (Import Root Certificate)

Imports a root certificate needed to verify a server from a memory card.

The root certificate is used when executing encrypted communication for connecting to the cloud, etc.

The root certificate is saved to the camera and can be updated.

This function can be used when the camera's system software (firmware) is Ver.2.00 or later.

- Save a root certificate to a memory card.
 - Save the certificate to the root directory of the memory card with the file name "sonycert."
- Insert the memory card to which the root certificate has been saved into the camera.
- MENU → ∰ (Network) → [Network Option] → [Import Root Certificate] → Select [Cloud Connection], and then select [OK].
 - The root certificate saved to the memory card is read by the camera, and then the root certificate on the camera is updated.

Menu item details

Cloud Connection *:

Reads a root certificate to verify the server for the cloud connection or other functions.

- Sony will provide "sonycert" used for [Cloud Connection] as needed. The certificate used in this function is encrypted, so normal PEM-format certificates cannot be read.
- * The cloud connection may only be available in certain countries and regions.

Note

- Do not remove the memory card from the camera during read operations.
- When the network settings are reset, the root certificate on the camera is reset as well.
- The maximum size of a root certificate that can be loaded is 1 MB per certificate.

TP1000824103

Help Guide

Digital Camera ZV-1M2

Wi-Fi Direct Settings

Changes the Wi-Fi Direct setting to improve connection compatibility.

This function can be used when the camera's system software (firmware) is Ver.2.00 or later.

1

 $MENU \rightarrow \bigoplus$ (Network) \rightarrow [Network Option] \rightarrow [Wi-Fi Direct Settings] \rightarrow desired setting.

Menu item details

Type1 (Standard):

Connects via Wi-Fi Direct in a standard format.

It is recommended that you normally set it to [Type1 (Standard)].

Type2:

Set to [Type2] only if you cannot connect via Wi-Fi Direct with the [Type1 (Standard)] setting. This may improve the Wi-Fi Direct connection.

Note

If you change the setting when the Wi-Fi connection is normal, it may affect connections with external devices.

TP1001834357

Help Guide

Digital Camera ZV-1M2

Reset Network Set.

Resets all the network settings to default settings.

[Airplane Mode] will not be reset to [Off] even if you perform [Reset Network Set.] when [Airplane Mode] is set to [On].

TP1000819678

Help Guide

Digital Camera ZV-1M2

Monitor Brightness

Adjust the brightness of the screen.



 $\textbf{MENU} \rightarrow \begin{tabular}{ll} \hline \label{eq:menu} \hline \textbf{MENU} \rightarrow \begin{tabular}{ll} \hline \label{eq:menu} \hline \end{tabular} \rightarrow \begin{tabular}{ll} \hline \end{tabular} \hline \textbf{MENU} \rightarrow \begin{tabular}{ll} \hline \end{tabular} \rightarrow \begin{tabular}{ll} \hline \end{tabular} \hline \textbf{Menu} \rightarrow \begin{tabular}{ll} \hline \textbf{Menu} \rightarrow \begin{tabular}{ll} \hline \end{tabular} \hline \textbf{Menu} \rightarrow \begin{tabular}{ll} \hline \textbf{Menu} \rightarrow \begin{tabular}{ll$

Menu item details

Manual:

Adjusts the brightness within the range of -2 to +2.

Sunny Weather:

Sets the brightness appropriately for shooting outdoors.

Note

- The [Sunny Weather] setting is too bright for shooting indoors. Set [Monitor Brightness] to [Manual] for indoor shooting.
- The monitor brightness cannot be adjusted in the following situations. The maximum brightness will be [±0].
 - When [▶ File Format] is set to [XAVC S 4K].
 - When [▶ File Format] is set to [XAVC S HD] and [Rec Frame Rate] under [▶ Movie Settings] is set to [120p]/[100p].
- The monitor brightness is locked at [-2] when shooting a movie using the Wi-Fi functions.
- The monitor brightness is locked at [-2] when an overheating warning is displayed.

TP1000811396

Help Guide

Digital Camera ZV-1M2

Auto Monitor OFF (still image)

Sets whether or not to turn the monitor off automatically in shooting modes for still images.



 $\textbf{MENU} \rightarrow \begin{tabular}{l} \blacksquare \end{tabular} \textbf{(Setup)} \rightarrow \begin{tabular}{l} \textbf{Power Setting Option]} \rightarrow \begin{tabular}{l} \blacksquare \end{tabular} \textbf{Auto Monitor OFF]} \rightarrow \begin{tabular}{l} \textbf{desired setting.} \end{tabular}$

Menu item details

Does not turn OFF:

Does not turn the monitor off.

2 Sec/5 Sec/10 Sec:

Turns the monitor off after the designated time has been elapsed without any operation performed. You can resume shooting by performing an operation, such as pressing the shutter button halfway down.

Note

If you will not be using the camera for a long period of time, turn the camera off.

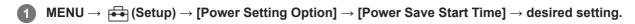
TP1000829957

Help Guide

Digital Camera ZV-1M2

Power Save Start Time

You can set the time by which the power goes off automatically (except when powered from a computer or smartphone).



Menu item details

30 Min/5 Min/2 Min/1 Min

Note

- When [Power Save Start Time] is set to [30 Min], power consumption becomes higher than usual.
- The power save function is deactivated in the following situations:
 - When powered via USB from a computer or other device
 - While playing back slideshows
 - While recording movies
 - While connected to a computer or TV
 - When [Bluetooth Rmt Ctrl] is set to [On]
 - During USB Streaming
 - While uploading images to Creators' Cloud

TP1000811424

Help Guide

Digital Camera ZV-1M2

Power OFF w/ monitor

Sets whether or not the power turns off when the monitor is closed facing inward.

Menu item details

Power OFF:

The power turns off when the monitor is closed facing inward.

Not Power OFF:

The power does not turn off when the monitor is closed facing inward.

Hint

When you want to keep shooting images with the monitor closed facing inward, such as during interval shooting or movie recording, set [Power OFF w/ monitor] to [Not Power OFF].

TP1000832026

Help Guide

Digital Camera ZV-1M2

Auto Power OFF Temp.

Sets the temperature of the camera at which the camera turns off automatically during shooting. When it is set to [High], you can continue shooting even when the temperature of the camera gets hotter than normal.



 $MENU \rightarrow \longrightarrow (Setup) \rightarrow [Power Setting Option] \rightarrow [Auto Power OFF Temp.] \rightarrow desired setting.$

Menu item details

Standard:

Sets the standard temperature for the camera to turn off.

High:

Sets the temperature at which the camera turns off to higher than [Standard].

Notes when [Auto Power OFF Temp.] is set to [High]

- Do not shoot while holding the camera in your hand. Use a tripod.
- Using the camera while holding it in your hand for a long period of time may cause low-temperature burns.

Continuous recording time for movies when [Auto Power OFF Temp.] is set to [High]

The duration of time available for continuous movie recording is as follows when the camera starts recording with the default settings after the power has been turned off for a while. The following values indicate the continuous time from when the camera starts recording until the camera stops recording.

Ambient temperature: 25°C (77°F)

Continuous recording time for movies (HD): Approx. 60 minutes

Continuous recording time for movies (4K): Approx. 60 minutes

Ambient temperature: 40°C (104°F)

Continuous recording time for movies (HD): Approx. 60 minutes

Continuous recording time for movies (4K): Approx. 30 minutes

HD: XAVC S HD (60p 50M/50p 50M; when the camera is not connected via Wi-Fi; when the monitor is open)

4K: XAVC S 4K (24p 60M/25p 60M; when the camera is not connected via Wi-Fi; when the monitor is open)

Note

Even if [Auto Power OFF Temp.] is set to [High], depending on the conditions or the temperature of the camera, the recordable time for movies may not change.

Related Topic

Recordable movie times

TP1000824107

Help Guide

Digital Camera ZV-1M2

USB Connection Mode

Selects the USB connection method when the camera is connected to a computer, etc.



 $MENU \rightarrow \longrightarrow (Setup) \rightarrow [USB] \rightarrow [USB Connection Mode] \rightarrow desired setting.$

Menu item details

Sel. When Connect:

Each time you connect the USB cable to the camera, select the mode you want to use from the following. ([Live Stream(USB Streaming)], [Image Transfer (MSC)], [Image Transfer (MTP)], or [Remote Shoot (PC Remote)])

USB Streaming:

Performs USB streaming via the connected computer or smartphone.

MassStorage(MSC):

Establishes a Mass Storage connection when connecting the camera to a computer, etc.

When you connect the camera to a computer or other USB device, the camera is recognized as a removable disk, and you can transfer files on the camera.

MTP:

Establishes an MTP connection between the camera, a computer, and other USB devices.

When you connect the camera to a computer or other USB device, the camera is recognized as a media device, and you can transfer still images/movies on the camera.

PC Remote:

Uses Imaging Edge Desktop (Remote) to control the product from a computer, including such functions as shooting and storing images on the computer.

Related Topic

- Livestreaming video and audio (USB Streaming)
- Importing images to the computer
- Operating the camera from a computer

TP1000787092

Help Guide

Digital Camera ZV-1M2

USB LUN Setting

Enhances compatibility by limiting of USB connection functions.



 $\textbf{MENU} \rightarrow \begin{tabular}{l} \hline \textbf{MENU} \rightarrow \begin{tabular}{l} \hline \textbf{Getup} \\ \hline \end{tabular} \rightarrow \begin{tabular}{l} \hline \textbf{USB} \end{tabular} \rightarrow \begin{tabular}{l} \hline \textbf{USB} \end{tabular} \rightarrow \begin{tabular}{l} \hline \textbf{MENU} \\ \hline \end{tabular} \rightarrow \begin{tabular}{l} \hline \textbf{Getup} \\ \hline \end{tabular} \rightarrow \begin{tabular}{l} \hline \textbf{USB} \end{tabular} \rightarrow \begin{tabular}{l} \hline \textbf{MENU} \\ \hline \end{tabular} \rightarrow \begin{tabular}{l} \hline \textbf{Getup} \\ \hline \end{tabular} \rightarrow \begin{tabular}{l} \hline \textbf{USB} \end{tabular} \rightarrow \begin{tabular}{l} \hline \textbf{MENU} \\ \hline \end{tabular} \rightarrow \begin{tabular}{l} \hline \textbf{Getup} \\ \hline \end{tabular} \rightarrow \begin{tabular}{l} \hline \textbf{MENU} \\ \hline \end{tabular} \rightarrow \begin{tabular}{l} \hline \textbf{MENU} \\ \hline \end{tabular} \rightarrow \begin{tabular}{l} \hline \textbf{Getup} \\ \hline \end{tabular} \rightarrow \begin{tabular}{l} \hline \textbf{MENU} \\ \hline \end{tabular} \rightarrow \begin{ta$

Menu item details

Multi:

Normally, use [Multi].

Single:

Set [USB LUN Setting] to [Single] only if you cannot make a connection.

TP1000787093

Help Guide

Digital Camera ZV-1M2

USB Power Supply

Sets whether to supply power via the USB cable when the product is connected to a computer or an USB device.



 $\textbf{MENU} \rightarrow \begin{tabular}{ll} \hline \bullet \\ \hline \bullet \\ \hline \hline \end{array} \begin{tabular}{ll} \hline \bullet \\ \hline \hline \end{array} \begin{tabular}{ll} \hline \bullet \\ \hline \hline \end{array} \begin{tabular}{ll} \hline \bullet \\ \hline \hline \hline \end{array} \begin{tabular}{ll} \hline \bullet \\ \hline \hline \bullet \\ \hline \end{array} \begin{tabular}{ll} \hline \bullet \\ \hline \bullet \\ \hline \end{array} \begin{tabular}{ll} \hline \bullet \\ \hline \bullet \\ \hline \end{array} \begin{tabular}{ll} \hline \bullet \\ \hline \bullet \\ \hline \end{array} \begin{tabular}{ll} \hline \bullet \\ \hline \bullet \\ \hline \end{array} \begin{tabular}{ll} \hline \bullet \\ \hline \bullet \\ \hline \end{array} \begin{tabular}{ll} \hline \bullet \\ \hline \bullet \\ \hline \bullet \\ \hline \end{array} \begin{tabular}{ll} \hline \bullet \\ \hline \bullet \\ \hline \bullet \\ \hline \bullet \\ \hline \end{array} \begin{tabular}{ll} \hline \bullet \\ \hline \bullet \\ \hline \bullet \\ \hline \end{array} \begin{tabular}{ll} \hline \bullet \\ \hline \end{array} \begin{tabular}{ll} \hline \bullet \\ \hline \bullet \\$

Menu item details

On:

Power is supplied to the product via a USB cable when the product is connected to a computer, etc.

Off:

Power is not supplied to the product via a USB cable when the product is connected to a computer, etc.

Operations available while supplying power via a USB cable

The following table shows you which operations are available/unavailable while supplying power via a USB cable.

Operation	Available / Unavailable
Shooting images	Available
Playing back images	Available
Wi-Fi/Bluetooth connections	Available
Charging a battery pack	Unavailable
Turning the camera on without a battery pack inserted	Unavailable

Note

- Insert the battery pack into the product to supply power via USB cable.
- The setting for [USB Power Supply] is effective only when this product is connected to a USB device that is compatible with the 500 mA power supply standard.

TP1000811422

Help Guide

Digital Camera ZV-1M2

HDMI Resolution

When you connect the camera to a TV or monitor device using an HDMI cable (sold separately), you can select the resolution to be output from the HDMI terminal of the camera during still image shooting or playback.



 $MENU \rightarrow \longrightarrow (Setup) \rightarrow [External Output] \rightarrow [\longrightarrow HDMI Resolution] \rightarrow desired setting.$

Menu item details

Auto:

The camera automatically recognizes the resolution of the connected TV or output device and sets the output resolution accordingly.

2160p/1080p:

Outputs signals in 2160p/1080p.

1080p:

Outputs signals in HD picture quality (1080p).

1080i:

Outputs signals in HD picture quality (1080i).

Note

 If images are not displayed properly using the [Auto] setting, select [1080i], [1080p], or [2160p/1080p] based on the connected TV.

TP1000787090

Help Guide

Digital Camera ZV-1M2

HDMI Output Settings (movie)

Sets the video and audio to be output to an external recorder/player connected via HDMI when shooting a movie. Use a Premium High Speed HDMI Cable (sold separately) to output 4K movies.



 $MENU \rightarrow \longrightarrow (Setup) \rightarrow [External Output] \rightarrow [MENU \rightarrow (Setup) \rightarrow (Setup)$

Menu item details

Rec. Media dur HDMI Output:

Sets whether or not to record movies on the memory card of the camera during HDMI output.

[On]: Records movies on the memory card of the camera, and outputs the movies to the HDMI-connected device at the same time.

[Off(HDMI Only)]: Does not record movies on the memory card of the camera, and outputs movies only to devices connected via HDMI.

Output Resolution:

Sets the resolution of the image that will be output to another device connected via HDMI when [Rec. Media dur HDMI Output] is set to [On]. ([Auto]/[2160p/1080p]/[1080i])

4K Output Set.(HDMI Only):

Sets the frame rate and color depth of 4K movie output to another device connected via HDMI when [Rec. Media dur HDMI Output] is set to [Off(HDMI Only)]. ([30p 8bit]/[25p 8bit]/[24p 8bit])

Time Code Output:

Sets whether or not to output the time code and user bit to another device connected via HDMI. ([On] / [Off])

Time code information is transmitted as digital data, not as an image displayed on the screen. The connected device can then refer to the digital data in order to recognize the time data.

REC Control:

Sets whether to start or stop recording on the external recorder/player remotely by operating the camera when the camera is connected to an external recorder/player. ([On] / [Off])

Hint

With [REC Control] set to [On], (STBY) is displayed when a recording command is ready to be sent to the external recorder/player, and (REC) is displayed when a recording command is being sent to the external recorder/player.

Note

- A 4K movie is not output to the connected 4K-compatible device during slow-motion/quick-motion shooting.
- When [Rec. Media dur HDMI Output] is set to [Off(HDMI Only)], [HDMI Info. Display] becomes temporarily set to [Off].
- When [Rec. Media dur HDMI Output] is set to [Off(HDMI Only)], the counter does not move forward (the actual recording time is not counted) while the movie is being recorded on an external recorder/player.
- [REC Control] can be used with external recorders/players that support the [REC Control] function.
- When [Time Code Output] is set to [Off], you cannot set [REC Control].
- Even when (REC) is displayed, the external recorder/player may not work properly depending on the settings or status of the recorder/player. Check if the external recorder/player works properly before use.
- When [Time Code Output] is set to [On], images may not be output properly to the TV or recording device. In this case, set [Time Code Output] to [Off].

- When shooting 4K movies with [Rec. Media dur HDMI Output] under [▶ HDMI Output Settings] set to [On], if a proxy movie is recorded at the same time, the movie cannot be output to a device connected via HDMI. To output movies using HDMI, set [Px Proxy Recording] to [Off]. (At this time, if [Rec Frame Rate] is set to anything other than [24p], the image will not be displayed on the camera monitor.)
- When [HDMI Info. Display] is set to [Off], images are displayed on both the HDMI-connected device and the camera monitor. However, when recording the following types of movies with [Rec. Media dur HDMI Output] set to [On], images are not displayed on the monitor of the camera.
 - XAVC S 4K 30p (when [Px Proxy Recording] is set to [Off])
 - XAVC S HD 120p
 - = Slow-motion and quick-motion movies with [S₄0 Frame Rate] set to [120fps]
- When [) File Format] is set to [XAVC S 4K] and an HDMI connection is used, the following functions are partially restricted.
 - Subject Recog in AF
 - Face Priority in Multi Metering

TP1000828536

Help Guide

Digital Camera ZV-1M2

HDMI Info. Display

Selects whether or not to display shooting information on a TV or a monitor device when the camera and TV, etc. are connected via an HDMI cable (sold separately).



 $MENU \rightarrow \xrightarrow{\leftarrow} (Setup) \rightarrow [External Output] \rightarrow [HDMI Info. Display] \rightarrow desired setting.$

Menu item details

On:

Displays the shooting information on the TV.

The recorded image and shooting information are displayed on the TV, while nothing is displayed on the camera's monitor.

Off:

Does not display the shooting information on the TV.

Only the recorded image is displayed on the TV, while the recorded image and shooting information are displayed on the camera's monitor.

Note

When [▶ File Format] is set to [XAVC S 4K] during an HDMI connection, [Off] is applied.

TP1000787094

Help Guide

Digital Camera ZV-1M2

CTRL FOR HDMI

When connecting this product to a TV using an HDMI cable (sold separately), you can operate this product by aiming the TV remote control at the TV.



Connect this product to a TV.

The input of the TV is switched automatically and images on this product are displayed on the TV screen.

• The operation method differs depending on the TV you are using. For details, refer to the operating instructions supplied with the TV.

Menu item details

On:

You can operate this product with a TV's remote control.

Off:

You cannot operate this product with a TV's remote control.

Note

- If you connect this product to a TV using an HDMI cable, available menu items are limited.
- If the product performs unwanted operations in response to the TV remote control, set [CTRL FOR HDMI] to [Off].

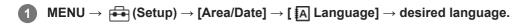
TP1000787091

Help Guide

Digital Camera ZV-1M2

Language

Selects the language to be used in the menu items, warnings and messages.



TP1000788311

Help Guide

Digital Camera ZV-1M2

Area/Date/Time Setting

You can set the area (where you are using the camera), daylight savings ([On]/[Off]), the date display format, and the date and time.

The Area/Date/Time setting screen will be displayed automatically if you did not register your smartphone in the initial setup or when the internal rechargeable backup battery has fully discharged. Select this menu to set the date and time after the first time.



 $\textbf{MENU} \rightarrow \begin{tabular}{ll} \hline \label{eq:menu} \hline \textbf{MENU} \rightarrow \begin{tabular}{ll} \hline \label{eq:menu} \hline \end{tabular} \begin{tabular}{ll} \hline \end{tabular} \hline \textbf{MENU} \rightarrow \begin{tabular}{ll} \hline \end{tabular} \hline \textbf{Area/Date/Time Setting} \\ \hline \end{tabular} \rightarrow \begin{tabular}{ll} \hline \end{tabular} \hline \textbf{MENU} \rightarrow \begin{tabular}{ll} \hline \end{tabular} \hline \textbf{Area/Date/Time Setting} \\ \hline \end{tabular} \rightarrow \begin{tabular}{ll} \hline \end{tabular} \hline \textbf{MENU} \rightarrow \begin{tabular}{ll} \hline \end{tabular} \hline \textbf{Area/Date/Time Setting} \\ \hline \end{tabular} \rightarrow \begin{tabular}{ll} \hline \end{tabular} \hline \textbf{Area/Date/Time Setting} \\ \hline \end{tabular} \rightarrow \begin{tabular}{ll} \hline \end{tabular} \hline \textbf{Area/Date/Time Setting} \\ \hline \end{tabular} \rightarrow \begin{tabular}{ll} \hline \end{tabular} \rightarrow \begin{tabular}{ll} \hline \end{tabular} \hline \textbf{Area/Date/Time Setting} \\ \hline \end{tabular} \rightarrow \begin{tabular}{ll} \hline \end{t$

Menu item details

Area Setting:

Sets the area where you are using the camera.

Daylight Savings:

Selects Daylight Savings [On] / [Off].

Date/Time:

Sets the date and time.

You can switch the time display format (24-hour or 12-hour format) by pressing the (Delete) button.

Date Format:

Selects the date display format.

Hint

- To charge the internal rechargeable backup battery, insert a charged battery pack, and leave the product for 24 hours or more with the power off.
- If the clock resets every time the battery is charged, the internal rechargeable backup battery may be worn out. Consult your service facility.

TP1000787096

Help Guide

Digital Camera ZV-1M2

NTSC/PAL Selector

Plays back movies recorded with the product on a NTSC/PAL system TV.



TP1000788310

Help Guide

Digital Camera ZV-1M2

Audio signals

Selects whether the product produces a sound or not.



 $\textbf{MENU} \rightarrow \begin{tabular}{l} \hline \label{eq:menu} \hline \textbf{MENU} \rightarrow \begin{tabular}{l} \hline \end{tabular} \hline \textbf{(Setup)} \rightarrow \begin{tabular}{l} \hline \end{tabular} \hline \textbf{Sound Option]} \rightarrow \begin{tabular}{l} \hline \end{tabular} \hline \textbf{Audio signals]} \rightarrow \begin{tabular}{l} \hline \end{tabular} \hline \textbf{MENU} \rightarrow \begin{tabular}{l} \hline \end{tabular} \hline \textbf{Audio signals]} \rightarrow \begin{tabular}{l} \hline \end{tabular} \hline \textbf{Audio signals} \rightarrow \begin{tabular}{l} \hline \end{tabular} \hline \textbf{MENU} \rightarrow \begin{tabular}{l} \hline \end{tabular} \hline \textbf{Audio signals} \rightarrow \begin{tabular}{l} \hline \textbf{Audio signals} \rightarrow \begin{tabular}{l} \hline \end{tabular} \hline \textbf{Audio signals} \rightarrow \begin{tabular}{l} \hline \end{tabular} \hline \textbf{Audio signals} \rightarrow \begin{tabular}{l} \hline \textbf{Audio si$

Menu item details

On:all:

The shutter produces sounds, and sounds are produced for example when the focus is achieved by pressing the shutter button halfway down.

On:shutter only:

Only the shutter produces sounds. Sounds are not produced when focusing by pressing the shutter button halfway down, etc.

Off:

Sounds are not produced.

Hint

■ When [Silent Mode] is set to [On], [Audio signals] becomes locked to [Off].

Note

If [A Focus Mode] is set to [Continuous AF], the camera will not beep when it focuses on a subject.

Related Topic

Silent Mode (still image/movie)

TP1000819785

Help Guide

Digital Camera ZV-1M2

REC Lamp

Sets whether to turn on the recording lamps during movie recording.



 $\textbf{MENU} \rightarrow \begin{tabular}{l} \hline \bullet \\ \hline \bullet \\ \hline \hline \end{tabular} \begin{tabular}{l} \textbf{MENU} \\ \hline \hline \end{tabular} \rightarrow \begin{tabular}{l} \textbf{Setup} \\ \hline \hline \end{tabular} \rightarrow \begin{tabular}{l} \textbf{REC Lamp} \\ \hline \end{tabular} \rightarrow \begin{tabular}{l} \textbf{desired setting.} \\ \hline \end{tabular}$

Menu item details

On

The recording lamp lights up during recording.

Off

The recording lamp does not light up during recording.

Hint

Set [REC Lamp] to [Off] if the light of the recording lamp reflected by an object, such as glass, is captured by the camera.

TP1000829959

Help Guide

Digital Camera ZV-1M2

Version

Displays the version of this product's software. Check the version when updates for this product's software are released, etc.



When the camera is connected to the Internet, software information is obtained. If new software is available, information about it will be displayed (when the camera's system software (firmware) is Ver.2.00 or later).

Hint

You can also save the downloaded firmware data to a memory card and use the memory card to update the firmware of the camera.

Note

Updating can be performed only when the battery level is type (3 remaining battery bars) or more. Use a sufficiently charged battery pack.

TP1000830740

Help Guide

Digital Camera ZV-1M2

Privacy Notice

Displays the privacy notification screen.



TP1000831972

Help Guide

Digital Camera ZV-1M2

Screen Reader (For some models only)

Sets the function for reading aloud information such as text on the screen.

Only some languages may be supported for this function depending on the model. This function is available only when the language set in the menu is supported by this function.



 $\textbf{MENU} \rightarrow \begin{tabular}{l} \blacksquare \end{tabular} \textbf{(Setup)} \rightarrow \begin{tabular}{l} \blacksquare \end{tabular} \textbf{Accessibility} \end{tabular} \rightarrow \begin{tabular}{l} \blacksquare \end{tabular} \textbf{Screen Reader} \end{tabular} \rightarrow \begin{tabular}{l} \blacksquare \end{tabular} \textbf{(Setup)} \rightarrow \begin{tabular}{l} \blacksquare \end{$

Menu item details

Screen Reader:

Sets whether to use the function to read aloud. ([On]/[Off])

Speed:

Sets the speed when reading aloud.

Volume:

Sets the volume when reading aloud.

TP1000830739

Help Guide

Digital Camera ZV-1M2

Setting Reset

Resets the product to the default settings. Even if you perform [Setting Reset], the recorded images are retained.



 $MENU \rightarrow \longrightarrow (Setup) \rightarrow [Reset Settings] \rightarrow [Setting Reset] \rightarrow desired setting.$

Menu item details

Camera Settings Reset:

Initializes the main shooting settings to the default settings. The setting values for both still image shooting and movie recording are initialized.

Initialize:

Initializes all the settings to the default settings.

Note

- Be sure not to eject the battery pack while resetting.
- If you perform [Initialize], the privacy notice agreement will also be initialized, so agree to the privacy notice again before using the camera.
- Settings of [National Profile] will not be reset even when [Camera Settings Reset] or [Initialize] is performed.
- The security and network settings are not deleted when you perform [Camera Settings Reset].
- To reset the security and network settings to the default settings, perform either [Reset Network Set.] or [Initialize]. However, even if you perform [Reset Network Set.] when [Airplane Mode] is set to [On], [Airplane Mode] will not be reset to [Off].

TP1000787106

Help Guide

Digital Camera ZV-1M2

Functions available with a smartphone (Creators' App)

Using the smartphone application Creators' App, you can shoot an image while controlling the camera using a smartphone or transfer the images recorded on the camera to the smartphone.

Download and install the application Creators' App from your smartphone's application store. If Creators' App is already installed on your smartphone, be sure to update it to the latest version.

For details on Creators' App, refer to the following website.

https://www.sony.net/ca/

Hint

You can also install Creators' App by scanning the QR Code displayed on the screen of the camera using your smartphone.

Note

Depending on future version upgrades, the operational procedures or screen displays are subject to change without notice.

Supported smartphones

Refer to the support page for the latest information. https://www.sony.net/ca/help/mobile/

• For details on Bluetooth versions compatible with your smartphone, check the product website for your smartphone.

TP1000811420

Help Guide

Digital Camera ZV-1M2

Pairing the camera with a smartphone (Smartphone Connection)

Connects the camera to your smartphone (pairing) to use the smartphone application Creators' App.

If you did not connect the camera with your smartphone when you turned on the camera for the first time, perform the following procedure.

The following is the procedure for connecting the camera to your smartphone when you install Creators' App on your

	artphone for the first time.
	: Operations performed on the smartphone
C	: Operations performed on the camera
1	: On the camera, select MENU → ∰ (Network) → [☐ Cnct./PC Remote] → [Smartphone Connection]
2	Follow the instructions on the screen and set [Bluetooth Function] to [On].
	A screen for waiting for a connection from the app will appear.
	 If [Bluetooth Function] is already set to [On], the screen for waiting for a connection from the app will appear immediately.
3	: Launch Creators' App on your smartphone.
4	: Follow the instructions on the screen to pair the camera with your smartphone.
	• When the connection is completed, a menu to select a function for the camera appears on the smartphone.

If you have used Creators' App with other cameras

: On the smartphone screen, select the desired function.

Launch Creators' App after Step 2, open the [Cameras] screen, select the pt (Add Camera) button, and follow the instructions on the screen to continue the operation.

About the icons when connecting to a smartphone

*	(Bluetooth connection available): Bluetooth connection with the smartphone is established.
*	(Bluetooth connection unavailable): Bluetooth connection with the smartphone is not established.
	Miffi (Wi-Fi connection available): Wi-Fi connection with the smartphone is established.
	(Wi-Fi connection unavailable): Wi-Fi connection with the smartphone is not established.

Connecting the camera and smartphone without pairing

If you want to connect without pairing, you need to perform the Wi-Fi connection operation every time.

- 1. On the camera, select MENU \rightarrow \bigoplus (Network) \rightarrow [\square Cnct./PC Remote] \rightarrow [Smartphone Connection].
- Press the m (Delete) button on the camera to switch to the SSID and password screen.

- 3. Open the Wi-Fi setting screen on your smartphone.
- 4. On the Wi-Fi setting screen on your smartphone, select the SSID displayed on the camera and enter the password.
- 5. Launch Creators' App on your smartphone and open the [Cameras] screen.
- **6.** Select the (Setup) button in the upper right corner of the [Cameras] screen, and then select [Connect only via Wi-Fil.
- **7.** On the screen of Creators' App on your smartphone, select the product name of the camera (ZV-1M2). The smartphone will connect to the camera.

Note

- To ensure a secure wireless LAN connection, we strongly recommend using an access point with WPA2 security settings.Connecting to an access point without security settings may result in hacking, access from malicious third parties, or attacks on vulnerabilities. Unless there is a specific reason, we do not recommend using an access point without security settings.
- When establishing a Bluetooth connection, only pair with trusted devices. Avoid unsolicited pairing requests or connections to unknown devices.
- Turn off the Bluetooth function when not in use.
- Check your paired devices regularly and delete any unnecessary ones.
- [Smartphone Connection] cannot be executed when [Airplane Mode] is set to [On].
- Up to 2 devices can be connected to the camera at the same time using Bluetooth communication.
- Radio wave interference may occur as Bluetooth communications and Wi-Fi (2.4 GHz) communications use the same frequency band. If your Wi-Fi connection is unstable, it may be improved by turning off the Bluetooth function of the smartphone.
- The Bluetooth icon is not displayed when the touch function icons are displayed in the movie recording mode. To see the Bluetooth icon, swipe the touch function icons left or right to hide the touch function icons.

Related Topic

- Functions available with a smartphone (Creators' App)
- Using a smartphone as a remote commander
- Select on Cam & Send (transferring to a smartphone)
- Cnct. while Power OFF (smartphone)
- Reading location information from a smartphone

TP1000830708

Help Guide

Digital Camera ZV-1M2

Using a smartphone as a remote commander

With Creators' App, you can shoot images while checking the shooting range of the camera on the screen of the smartphone. Connect the camera and smartphone by referring to "Related Topic" at the bottom of this page. For details on functions that can be operated from a smartphone, refer to the following website. https://www.sony.net/ca/help/opr/

Related Topic

- Pairing the camera with a smartphone (Smartphone Connection)
- Remote Shoot Setting

TP1000828533

Help Guide

Digital Camera ZV-1M2

Remote Shoot Setting

Configures settings for images saved when performing remote shooting using a smartphone or computer.



 $\mathsf{MENU} \to \bigoplus (\mathsf{Network}) \to [\, \square \, \mathsf{Cnct./PC} \, \mathsf{Remote}] \to [\mathsf{Remote} \, \mathsf{Shoot} \, \mathsf{Setting}] \to \mathsf{desired} \, \mathsf{setting} \, \mathsf{item}.$

Menu item details

Still Img. Save Dest.:

Sets the save destination. ([Destination Only]/[Dest.+Camera]/[Camera Only])

Save Image Size:

Selects the file size for images to be transferred to the smartphone or the computer when [Still Img. Save Dest.] is set to [Dest.+Camera]. The original-sized JPEG file or a 2M-equivalent JPEG file can be transferred. ([Original]/[2M])

RAW+J Save Image:

Note

- When an unrecordable memory card is inserted into the camera, you cannot record still images even if [Still Img. Save Dest.] is set to [Camera Only] or [Dest.+Camera].
- When [Camera Only] or [Dest.+Camera] is selected for [Still Img. Save Dest.] and no memory card is inserted into the camera, the shutter will not be released even if [Release w/o Card] is set to [Enable].
- While a still image is being played back on the camera, you cannot perform remote shooting using a smartphone or a computer.
- [RAW+J Save Image] can be set only when [File Format] is set to [RAW & JPEG].

Related Topic

Using a smartphone as a remote commander

TP1000829986

Help Guide

Digital Camera ZV-1M2

Select on Cam & Send (transferring to a smartphone)

You can transfer images to a smartphone by selecting images on the camera.

Refer to "Pairing the camera with a smartphone (Smartphone Connection)" to pair the camera and smartphone in advance.

The following is the procedure for transferring the image currently displayed on the camera.

- MENU → ∰ (Network) → [☐ Cnct./PC Remote] → [♣] Select on Cam & Send] → [Size of Sending Image], [RAW+J Trans. Trgt.], [♠x Sending Target], and [Movie with Shot Mark] → desired setting.
- Display the image to be transferred on the playback screen.
- MENU → ⊕ (Network) → [☐ Cnct./PC Remote] → [♣] Select on Cam & Send] → [♣] Send] → [This Image].
 - You can also display the [★ Send] screen by pressing the ★ (Send to Smartphone) button.
- 4 Launch Creators' App on your smartphone.

A message indicating that the transfer has started will appear.

5 Select [OK] on the smartphone.

The image will be transferred to the smartphone.

- When the image is transferred, the ★ (transferred) icon will appear on the screen of the camera.
- You can transfer multiple images at once by selecting a setting other than [This Image] under [Send].

Menu item details

★ Send:

Selects images and transfers them to a smartphone. ([This Image]/[All Images in This Group]/[All with this date]/[Filtered Images]/[Multiple Images])

- The options displayed may differ depending on the View Mode selected on the camera.
- If you select [Multiple Images], select the desired images using the center of the control wheel, then press MENU →
 [Enter].

Size of Sending Image:

Selects the file size for images to be transferred to the smartphone. The original-sized JPEG file or a 2M-equivalent JPEG file can be transferred. ([Original]/[2M])

RAW+J Trans. Trgt.:

Px Sending Target:

Sets whether to transfer the low-bit-rate proxy movie or the high-bit-rate original movie when transferring a movie to a smartphone. ([Proxy Only]/[Original Only]/[Proxy & Original])

When you select [Proxy Only], movies can be transferred faster than when transferring the original movies.

Movie with Shot Mark:

Cuts and transfers a specified number of seconds from a movie with the position of a Shot Mark set as the center. ([Cut to 60 seconds]/[Cut to 30 seconds]/[Cut to 15 seconds]/[Don't Cut])

To filter the images to be transferred (Filtered Images)

Images to be transferred can be filtered by the following conditions:

- Target Group: [This Date]/[This Media]
- Still Images/Movies: [All]/[Only Still Images]/[Only Movies]
- Target Img (Rating): [★]-[※], [★0FF]
- Target Movie (): [All]/[Only Shot Mark Mov.]
- Target Img (Protect): [All]/[Only Protected Img.]
- Transfer Status *: [All]/[Only Non-transfer]
 - * Images transferred by selecting them on the smartphone are treated as not yet transferred.
 - * When [Movie with Shot Mark] is set to an item other than [Don't Cut], even if you have already transferred a clip by using a Shot Mark and then set another Shot Mark to the movie, all of the Shot Marks will create clips which will be retransferred as not-yet transferred images.

To add a Shot Mark to a movie

If you add a Shot Mark while recording a movie, you can use it as a mark for selecting, transferring, or editing the movie. To add a Shot Mark during recording, swipe left or right on the screen to display the touch function icons, and then touch (Add Shot Mark1). You can also add a Shot Mark during playback by touching (Add Shot Mark1) on the screen.

Hint

- To use the touch function icons, enable touch operations during shooting or playback by configuring each setting in MENU →
 (Setup) → [Touch Operation].
- Use a custom key to add a second Shot Mark (Shot Mark 2). Shot Mark 1 can also be added using a custom key. Assign the following functions to the desired keys and press the keys while shooting or playing back a movie.
 - When adding a Shot Mark while shooting a movie: assign [Add Shot Mark1] / [Add Shot Mark2] in [▶■ Custom Key Setting]
- For movies with a Shot Mark, you can jump to the position with the Shot Mark by touching the touch function icon while paused.

Note

- For images transferred by selecting them on the smartphone, the ★□◆ (transferred) icon will not appear.
- Depending on the smartphone, the transferred movie may not be played back correctly. For example, the movie may not play smoothly, or there may be no sound.
- Depending on the format of the still image, movie, slow-motion movie, or quick-motion movie, it may not be possible to play it back on a smartphone.
- When [Airplane Mode] is set to [On], you cannot connect this product and the smartphone. Set [Airplane Mode] to [Off].
- When establishing a Bluetooth connection, only pair with trusted devices. Avoid unsolicited pairing requests or connections to unknown devices.
- Turn off the Bluetooth function when not in use.
- Check your paired devices regularly and delete any unnecessary ones.
- After you delete the pairing information for the camera from your smartphone, delete pairing information for the smartphone from the camera using [Manage Paired Device].

Related Topic

- Pairing the camera with a smartphone (Smartphone Connection)
- Airplane Mode

TP1000829985

Help Guide

Digital Camera ZV-1M2

Reset Transfer Status (transferring to a smartphone)

You can reset the transfer status of images that have been transferred to your smartphone. Use this function if you want to retransfer images that have previously been transferred. The transferred images will not be deleted even if you reset the transfer status.



 $\mathsf{MENU} \to \bigoplus \mathsf{(Network)} \to [\, \boxed{\,} \mathsf{Cnct./PC \ Remote}] \to [\, \bigstar \boxed{\,} \mathsf{Reset \ Transfer \ Status}].$

• If you press [OK] on the confirmation screen, all images that have been transferred to your smartphone will become untransferred images.

Related Topic

Select on Cam & Send (transferring to a smartphone)

TP1000830699

Help Guide

Digital Camera ZV-1M2

Cnct. while Power OFF (smartphone)

Sets whether or not to accept Bluetooth connections from a smartphone while the camera is turned off. When [🔲 Cnct
while Power OFF] is set to [On], you can browse images on the camera's memory card and transfer images from the
camera to a smartphone by operating the smartphone.

Menu Item Details

On:

Accepts Bluetooth connections from a smartphone while the camera is turned off.

The battery level is depleted gradually while the camera is turned off. If you do not want to use [Cnct. while Power OFF], turn it off.

Off:

Does not accept Bluetooth connections from a smartphone while the camera is turned off.

How to browse/transfer images on the smartphone

Refer to "Pairing the camera with a smartphone (Smartphone Connection)" to pair the camera and smartphone in advance.

- 1. Set [Cnct. while Power OFF] to [On].
- 2. Turn off the camera.
- Launch Creators' App on the smartphone.
- 4. Select [View and Import] on the smartphone.
 - The images saved on the memory card of the camera can be viewed and are ready to be transferred.

Note

- If the smartphone is not operated for a certain period of time, the Bluetooth connection will become deactivated. Select [View and Import] again on the smartphone.
- When the camera is turned on, the camera will switch to the shooting screen, and the connection with the smartphone will be terminated.
- [☐ Cnct. while Power OFF] will be set to [Off] if you cancel pairing between the camera and the smartphone or pairing fails.
- If the function does not work properly, check the following notes and then try pairing again.
 - Ensure that the camera is either not connected to any other device or connected to only one device using Bluetooth communication. (Up to 2 devices can be connected to the camera at the same time.)
 - Confirm that [Airplane Mode] for the camera is set to [Off].
 - If the function does not work properly even after you have performed the above operations, delete the pairing information for the device that you want to connect using [Manage Paired Device] on the camera.
- When establishing a Bluetooth connection, only pair with trusted devices. Avoid unsolicited pairing requests or connections to unknown devices.
- Turn off the Bluetooth function when not in use.
- Check your paired devices regularly and delete any unnecessary ones.

After you delete the pairing information for the camera from your smartphone, delete pairing information for the smartphone from the camera using [Manage Paired Device].

Related Topic

- Functions available with a smartphone (Creators' App)
- Pairing the camera with a smartphone (Smartphone Connection)
- Select on Cam & Send (transferring to a smartphone)
- Bluetooth Settings

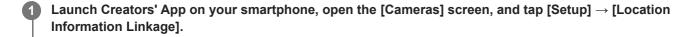
TP1000827457

Help Guide

Digital Camera ZV-1M2

Reading location information from a smartphone

You can use the application Creators' App to obtain location information from a smartphone that is connected with your camera using Bluetooth communication. You can record the obtained location information when shooting images. Refer to "Pairing the camera with a smartphone (Smartphone Connection)" to pair the camera and smartphone in advance.



- Activate [Location Information Linkage] on the [Location Information Linkage] setting screen of Creators' App.
 - (obtaining location information icon) will be displayed on the monitor of the camera. Location information obtained by your smartphone using GPS, etc., will be recorded when shooting images.
 - When you activate [Auto Time Correction] or [Auto Area Adjustment] on a linked smartphone, the camera automatically corrects the date setting or area setting using information from the smartphone.

Icons displayed when obtaining the location information

(Obtaining location information): The camera is obtaining the location information.

(Location information cannot be obtained): The camera cannot obtain the location information.

Hint

- Location information can be linked when Creators' App is running on your smartphone even if the smartphone monitor is off. However, if the camera has been turned off for a while, location information may not be linked immediately when you turn the camera back on. In this case, location information will be linked immediately if you open the Creators' App screen on the smartphone.
- When Creators' App is not operating, such as when the smartphone is restarted, launch Creators' App to resume location information linking.
- If the location information linking function does not work properly, see the following notes and perform pairing again.
 - Confirm that the Bluetooth function of your smartphone is activated.
 - Ensure that the camera is either not connected to any other device or connected to only one device using Bluetooth communication. (Up to 2 devices can be connected to the camera at the same time.)
 - Confirm that [Airplane Mode] for the camera is set to [Off].
 - Delete the pairing information for the camera registered in Creators' App.
 - Delete the pairing information for the camera registered in the Bluetooth settings on your smartphone.
 - Delete the pairing information for your smartphone registered in [Manage Paired Device] on the camera.
- The Bluetooth icon is not displayed when the touch function icons are displayed in the movie recording mode. To see the Bluetooth icon, swipe the touch function icons left or right to hide the touch function icons.

Note

- If you publish or share still images or movies taken with this camera on the internet while location information is linked using Creators' App, the shooting location may be unintentionally made known to third parties. In this case, turn off [Location Information Linkage] in Creators' App before shooting the images.
- When you initialize the camera, the pairing information is also deleted. Before performing pairing again, first delete the pairing information for the camera registered in the smartphone's Bluetooth settings and Creators' App.

- The location information will not be recorded when it cannot be obtained, such as when the Bluetooth connection is disconnected.
- The camera can be paired with up to 15 Bluetooth devices, but can link the location information with that of only one smartphone. If you want to link the location information with that of another smartphone, turn off the [Location Information Linkage] function under [Setup] in Creators' App on the smartphone that is already linked.
- If the Bluetooth connection is unstable, remove any obstacles, such as people or metal objects from between the camera and the paired smartphone.
- The communication distance for the Bluetooth connection or Wi-Fi may vary depending on the conditions of use.

Related Topic

- Functions available with a smartphone (Creators' App)
- Pairing the camera with a smartphone (Smartphone Connection)
- Bluetooth Settings

TP1000830705

Help Guide

Digital Camera ZV-1M2

Recommended computer environment

You can confirm the operating computer environment of the software from the following URL: https://www.sony.net/pcenv/

TP1000819767

Help Guide

Digital Camera ZV-1M2

Connecting the camera to a computer

- 1 Insert a sufficiently charged battery pack into the camera.
- Turn on the camera and the computer.
- (Setup) → [USB] → Set [USB Connection Mode] to [MassStorage(MSC)].
- 4 Connect the USB Type-C terminal on the camera to the computer with a USB cable (commercially available).
 - When you connect the camera to the computer for the first time, the procedure for recognizing the camera may start automatically on the computer. Wait until the procedure is finished.
 - If you connect the camera to your computer using the USB cable when [USB Power Supply] is set to [On], power is supplied from your computer. (Default setting: [On])
 - Use a cable that complies with the USB standard.

Note

Do not turn on/off or restart the computer, or wake the computer from sleep mode when a USB connection has been established between the computer and the camera. Doing so may cause a malfunction. Before turning on/off or restarting the computer, or waking the computer from sleep mode, disconnect the camera from the computer.

Related Topic

- USB Connection Mode
- USB LUN Setting

TP1000787077

Help Guide

Digital Camera ZV-1M2

Disconnecting the camera from the computer

Perform the following operations on the computer before disconnecting the camera from the computer.

🚺 Click 👦 (Safely Remove Hardware and Eject Media) in the taskbar.

Click the displayed message.

The following operations are available after you have completed the steps above.

- Disconnecting the USB cable.
- Removing a memory card.
- Turning off the camera.

Note

- On Mac computers, drag and drop the memory card icon or the drive icon into the "Trash" icon. The camera will be disconnected from the computer.
- On some computers, the disconnection icon may not appear. In this case, you can skip the steps above.
- Do not remove the USB cable from the camera while the access lamp is lit. The data may be damaged.

TP1000787110

Help Guide

Digital Camera ZV-1M2

Introduction to computer software (Imaging Edge Desktop/Catalyst)

Imaging Edge Desktop

Imaging Edge Desktop is a software suite that includes functions such as remote shooting from a computer, and adjusting or developing RAW images recorded with the camera.

For details on how to use Imaging Edge Desktop, refer to the support page. https://www.sony.net/disoft/help/

Installing Imaging Edge Desktop on your computer

Download and install the software by accessing the following URL:

https://www.sony.net/disoft/d/

Catalyst Browse (free software)/Catalyst Prepare (paid software)

Catalyst Browse is software for previewing clips. You can preview recorded XAVC S clips, view and edit media metadata, apply image stabilization using metadata, apply color calibration, copy to the local hard drive, or transcode to a variety of formats and so on with Catalyst Browse.

Catalyst Prepare adds to the functions of Catalyst Browse allowing you to organize clips using bins, perform basic timeline editing with storyboards, and so on.

Installing Catalyst Browse/Catalyst Prepare on your computer

Download and install the software by accessing the following URL:

https://www.sony.net/catalyst/

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^{*} For the conditions of use of the image stabilization function, refer to the support page.

Help Guide

Digital Camera ZV-1M2

Importing images to the computer

You can import images from the camera to a computer by connecting the camera to the computer with a USB cable (commercially available), or by inserting the memory card of the camera into the computer.

Open the folder in which the images you want to import are stored on the computer, and then copy the images to the computer.

Example: Folder tree during USB Mass Storage connection



DCIM: still images CLIP: movies SUB: proxy movies

Note

- Do not edit or otherwise process movie files/folders from the connected computer. Movie files may be damaged or become unplayable. Do not delete movies on the memory card from the computer. Sony is not held liable for consequences resulting from such operations via the computer.
- If you delete images or perform other operations from the connected computer, the image database file may become inconsistent.
 In this case, repair the image database file.
- The folder tree is different during MTP connection.

TP1000811404

Help Guide

Digital Camera ZV-1M2

Operating the camera from a computer

With a USB connection, you can control the camera from a computer, including such functions as shooting and storing images on the computer.

When the camera and a smartphone are connected, you cannot control the camera from a computer. Make sure that the camera is not connected to a smartphone beforehand.

- Connect the camera to the computer.
 - Connect the USB Type-C terminal on the camera to the computer with a USB cable.
- 2 Launch Imaging Edge Desktop (Remote) on the computer.

You can now operate the camera using Imaging Edge Desktop (Remote).

Hint

■ In [Remote Shoot Setting] under [☐ Cnct./PC Remote], you can set the save destination and saved format of still images for PC remote shooting.

Related Topic

- Introduction to computer software (Imaging Edge Desktop/Catalyst)
- Remote Shoot Setting

TP1000827139

Help Guide

Digital Camera ZV-1M2

Remote Shoot Setting

Configures settings for images saved when performing remote shooting using a smartphone or computer.



 $\mathsf{MENU} \to \bigoplus (\mathsf{Network}) \to [\, \square \, \mathsf{Cnct./PC} \, \mathsf{Remote}] \to [\mathsf{Remote} \, \mathsf{Shoot} \, \mathsf{Setting}] \to \mathsf{desired} \, \mathsf{setting} \, \mathsf{item}.$

Menu item details

Still Img. Save Dest.:

Sets the save destination. ([Destination Only]/[Dest.+Camera]/[Camera Only])

Save Image Size:

Selects the file size for images to be transferred to the smartphone or the computer when [Still Img. Save Dest.] is set to [Dest.+Camera]. The original-sized JPEG file or a 2M-equivalent JPEG file can be transferred. ([Original]/[2M])

RAW+J Save Image:

Note

- When an unrecordable memory card is inserted into the camera, you cannot record still images even if [Still Img. Save Dest.] is set to [Camera Only] or [Dest.+Camera].
- When [Camera Only] or [Dest.+Camera] is selected for [Still Img. Save Dest.] and no memory card is inserted into the camera, the shutter will not be released even if [Release w/o Card] is set to [Enable].
- While a still image is being played back on the camera, you cannot perform remote shooting using a smartphone or a computer.
- [RAW+J Save Image] can be set only when [File Format] is set to [RAW & JPEG].

Related Topic

Using a smartphone as a remote commander

TP1000829986

Help Guide

Digital Camera ZV-1M2

Livestreaming video and audio (USB Streaming)







You can connect a computer, etc. to the camera and use the camera video and audio for livestreaming or web-conferencing services. Select MENU \rightarrow [USB] \rightarrow [USB Connection Mode] \rightarrow [Sel. When Connect] or [USB Streaming] beforehand.

1 Connect the camera to a computer or other device with a USB cable (commercially available).

[USB Streaming:Standby] will appear on the camera screen, and the camera will switch to the streaming standby state.

- If [USB Connection Mode] is set to [Sel. When Connect], select [Live Stream(USB Streaming)] on the selection screen for the USB connection mode.
- Use a cable or adapter that matches the terminal on the device to be connected.
- Start streaming from your livestreaming/web-conferencing service.

[USB Streaming:Output] will appear on the camera screen.

To exit [USB Streaming], turn off the power of the camera or disconnect the USB cable.

Hint

- If you assign [Product Showcase Set] or [Background Defocus] to [Custom Key Setting], you can use these functions even during USB streaming.
- The format of the streaming data is as follows.
 - Video format: MJPEG
 - Resolution: HD720 (1280×720)
 - Frame rate: 30 fps / 25 fps
 - Audio format: LPCM, 48 kHz, 16 bit, 2 ch
- During USB streaming, power is supplied to the camera from the computer. If you want to consume as little computer power as possible, set [USB Power Supply] to [Off].
- When using an external microphone, you can minimize deviations between your voice and the movements of your mouth by connecting the microphone to the \(\) (microphone) terminal of the camera.

Note

- While USB streaming is in progress, the camera is always set to the movie recording mode regardless of the shooting mode before the start of streaming.
- You cannot do the following while [USB Streaming] is running.
 - Transition to the playback screen
 - Network functions (PC remote, remote operation from a smartphone, etc.)
- The following functions are disabled while [USB Streaming] is running.
 - Recording the streaming video
 - Menu-screen operations

- Capturing a custom white balance
- Picture Profile
- Power Save Start Time
- Auto Monitor OFF
- Depending on the temperature environment, Wi-Fi connection environment, and usage conditions before the start of streaming, the internal temperature of the camera may rise, and the time available for streaming may become shorter.

Related Topic

USB Connection Mode

TP1000830704

Help Guide

Digital Camera ZV-1M2

Creators' Cloud

Creators' Cloud is a cloud solution that integrates production applications and services.

Creators' Cloud provides services and applications to creators of various productions.

This function can be used when the camera's system software (firmware) is Ver.2.00 or later.

The availability of Creators' Cloud and the supported services differ depending on the country/region. For details on Creators' Cloud and the support status of each service, refer to the following website. https://www.sony.net/cc/

TP1000940088

Help Guide

Digital Camera ZV-1M2

Creating an account for Creators' Cloud and linking your camera to the account (Cloud Initial Setting)

Create an account for the cloud service Creators' Cloud and link your camera to the account using Creators' App on your smartphone.

This function can be used when the camera's system software (firmware) is Ver.2.00 or later.

N	This function may only be available in certain countries and regions. For information about countries/regions where the service is supported, refer to the following website. https://creatorscloud.sony.net/catalog/servicearea.html
	Operations performed on the smartphone : Operations performed on the camera
F	Preparing in advance
0	☐ Create an account for Creators' Cloud. Follow the instructions in the smartphone application Creators' App to create an account for Creators' Cloud.
0	Pair the camera and smartphone. For detailed instructions, see "Pairing the camera with a smartphone (Smartphone Connection) ."
0	Confirm that [Bluetooth Function] is set to [On] on the camera.
L	inking the camera to the account
1.	Set the camera to shooting mode.
2.	Launch Creators' App on your smartphone, and then open the [Cameras] screen.
3.	Select [Cloud Function], and then follow the instructions on the screen to start setup.
4.	When you register the access point, select the access point you use and enter the password, and then select [OK].
	The settings for the access point (the SSID and the password) are loaded to the camera.
	 If the access point to be used is already registered on the camera, select [Skip] and proceed to step 5.
5.	Select [Start linking] on the smartphone screen.
	 The camera and the account will be linked. Then, follow the instructions on the screen to configure the image

Hint

upload settings.

camera to the account.

• The camera may not be linked to the account if there is already account information on the camera or there is already camera information in Creators' Cloud. Remove the account and camera information before linking the Once the camera has been linked to the account, the menu item [Cloud Initial Setting] will change to [Cloud Connection] (under MENU → ∰ (Network) → [Creators' Cloud]), and you will be able to upload images.

Note

- The camera may not be linked to the account properly if the procedure is canceled, the camera is powered off, or a network error, etc. occurs during the procedure. In this case, make sure that the account information on the camera or the camera information in Creators' Cloud is correct. If the information is not correct, remove the information and link the camera to the account again.
- Linking the camera to the account or connecting to Creators' Cloud may fail if the time setting on the camera is not correct. Make sure that the time setting is correct.

To cancel the linkage of the camera with Creators' Cloud

You need to cancel the linkage of the camera with the account both on the camera and in Creators' Cloud. **Operations on the camera:**

- 1. $MENU \rightarrow \bigoplus$ (Network) \rightarrow [Creators' Cloud] \rightarrow [Cloud Information].
- 2. Select [Delete account info.].
- Check the message displayed on the screen and select [OK].The information for the account will be removed from the camera.

Operations on the Creators' Cloud:

- 1. Open [Cameras] screen on Creators' App.
- Select [Cloud Function] → [Disconnect the Link].
 The information for the camera will be removed from the account.

Hint

- You can also perform the following operations in Creators' Cloud Web (https://www.sony.net/capp/).
 - Creating an account for Creators' Cloud
 - Removing information of the camera from Creators' Cloud

Note

To ensure a secure wireless LAN connection, we strongly recommend using an access point with WPA2 security settings. Connecting to an access point without security settings may result in hacking, access from malicious third parties, or attacks on vulnerabilities. Unless there is a specific reason, we do not recommend using an access point without security settings.

Related Topic

- Pairing the camera with a smartphone (Smartphone Connection)
- Displaying cloud connection information (Cloud Information)
- Notes on using the cloud service (Creators' Cloud)

TP1001834358

Help Guide

Digital Camera ZV-1M2

Connecting to Creators' Cloud to upload images (Cloud Connection)

You can connect the camera to Creators' Cloud and upload images to the cloud. Refer to "Creating an account for Creators' Cloud and linking your camera to the account (Cloud Initial Setting)" and complete the setup for [Cloud Initial Setting] in advance.

This function can be used when the camera's system software (firmware) is Ver.2.00 or later.

For details on the upload function, refer to the following URL:

https://www.sony.net/ca/help/opr/



 $MENU \rightarrow \bigoplus$ (Network) \rightarrow [Creators' Cloud] \rightarrow [Cloud Connection].

Images will be uploaded to Creators' Cloud.

Note

To ensure a secure wireless LAN connection, we strongly recommend using an access point with WPA2 security settings. Connecting to an access point without security settings may result in hacking, access from malicious third parties, or attacks on vulnerabilities. Unless there is a specific reason, we do not recommend using an access point without security settings.

TP1001834360

Help Guide

Digital Camera ZV-1M2

Displaying cloud connection information (Cloud Information)

Displays information about the camera and Creators' Cloud linked account.

This function can be used when the camera's system software (firmware) is Ver.2.00 or later.

Note

This function may only be available in certain countries and regions.
 For information about countries/regions where the service is supported, refer to the following website.
 https://creatorscloud.sony.net/catalog/servicearea.html



 $\mathsf{MENU} \to \bigoplus (\mathsf{Network}) \to [\mathsf{Creators'} \ \mathsf{Cloud}] \to [\mathsf{Cloud} \ \mathsf{Information}].$

- Detailed information about the linked account is displayed.
- Selecting [Delete account info.] on the displayed screen removes the account information from the camera.
 If you delete the Creators' Cloud account information from the camera, be sure to delete the camera information from Creators' Cloud as well.

TP1000940071

Help Guide

Digital Camera ZV-1M2

Notes on using the cloud service (Creators' Cloud)

Before lending or transferring the camera, make sure that the camera linkage information and upload settings are appropriate to prevent damage such as the content on the camera being uploaded to an unintended third party's Creators' Cloud. If the settings are not appropriate, be sure to perform the following operations.

- If you will transfer or lend the camera: initialize the camera or cancel the linkage with Creators' Cloud on the camera. Also, cancel the camera linkage in Creators' Cloud.
- If the camera is transferred to you or you borrow the camera: initialize the camera or cancel the linkage with Creators'
 Cloud on the camera.

Note that Creators' Cloud may only be available in certain countries and regions.

Notes on the network environment

The following network environments may interfere with the use of Creators' Cloud.

- Connecting to a network via a proxy server
- Configuring a firewall to your network

If a firewall is configured, open the following outbound ports in the firewall settings.

- TCP Source Port 32768-60999 Destination Port 443
- TCP Source Port 32768-60999 Destination Port 80
- UDP Source Port 32768-60999 Destination Port 53
- UDP Source Port 32768-60999 Destination Port 443
- UDP Source Port 32768-60999 Destination Port 32768-60999
- TCP destination port 80 is used unencrypted to obtain revocation information needed for destination server validation when connecting to the server. However, no personal information is sent.
- UDP destination port 53 is used unencrypted to obtain information needed to verify the server's address on the internet when connecting to the server. However, no personal information is sent.

Related Topic

- Creating an account for Creators' Cloud and linking your camera to the account (Cloud Initial Setting)
- Displaying cloud connection information (Cloud Information)

TP1001834359

Help Guide

Digital Camera ZV-1M2

Battery life and number of recordable images

Number of images when shooting still images

[Auto Monitor OFF] is set to [Does not turn OFF]	Approx. 290 images
[Auto Monitor OFF] is set to [2 Sec]	Approx. 440 images

Battery life when shooting movies

Actual shooting of movies	Approx. 45 min.
Continuous shooting of movies	Approx. 75 min.

- The above estimates for battery life and number of recordable images apply when the battery pack has been fully charged. The battery life and number of images may decrease depending on the conditions of use.
- The battery life and number of recordable images are estimates based on shooting with the default settings under the following conditions:
 - Using the battery pack at an ambient temperature of 25°C (77°F).
 - Using a Sony SDXC memory card (U3) (sold separately)
- The numbers of recordable still images are based on the CIPA standard and shooting under the following conditions: (CIPA: Camera & Imaging Products Association)
 - One picture is taken every 30 seconds.
 - The power is turned on and off once every ten times.
 - The zoom is switched alternately between the W and T ends.
- The number of minutes for movie shooting is based on the CIPA standard and shooting under the following conditions:
 - The image quality is set to XAVC S HD 60p 50M /50p 50M 4:2:0 8bit.
 - Actual shooting (movies): Battery life based on repeated shooting, zooming, shooting stand-by, turning on/off, etc.
 - Continuous shooting (movies): No operations other than starting and ending shooting are performed.

TP1000810702

Help Guide

Digital Camera ZV-1M2

Number of recordable images

When you insert a memory card into the camera and turn the camera on, the number of images that can be recorded (should you continue to shoot using the current settings) is displayed on the screen.

Note

- A maximum of 40 000 still images can be recorded to each memory card. If the number of recorded images reaches the upper limit, replace the memory card.
- When "0" (the number of recordable images) flashes in orange, the memory card is full or the number of recorded images exceeds the number that can be managed using the database file. Replace the memory card with another one, or delete images from the current memory card. When you transfer images on a memory card to a computer, etc., the number of recordable images may be displayed as "0". In this case, you may be able to record images by executing [♣ Recover Image DB].
- When "NO CARD" flashes in orange, it means no memory card has been inserted. Insert a memory card.

The number of images that can be recorded on a memory card

The table below shows the approximate number of images that can be recorded on a memory card formatted with this camera.

The numbers shown reflect the following conditions:

- Using a Sony memory card
- [Aspect Ratio] is set to [3:2], and [JPEG Image Size] is set to [L: 20M]. *1

The values may vary depending on the shooting conditions and the type of memory card used.

(Unit: images)

DEC Quality /	SD memory card		
JPEG Quality / file Format	64GB	128GB	
Standard	9 500	19 000	
Fine	5 500	11 000	
Extra fine	4 100	8 200	
RAW & JPEG *2	1 600	3 300	
RAW	2 300	4 700	

^{*1} When [Aspect Ratio] is set to other than [3:2], you can record more images than the numbers shown in the table above. (except when [RAW] is selected)

Note

• Even if the number of recordable images is higher than 9 999 images, "9999" will appear.

^{*2} JPEG image quality when [RAW & JPEG] is selected: [Fine]

Related Topic

Memory cards that can be used

TP1000811398

Help Guide

Digital Camera ZV-1M2

Recordable movie times

The table below shows the approximate total recording times using a memory card formatted with this camera. The values may vary depending on the shooting conditions and the type of memory card used.

(h (hour), min (minute))

N■ File Format	Rec Frame Rate	Record Setting	SD memory card		
File Format	Rec Fiame Rate		64 GB	128 GB	
XAVC S 4K 30p/25p	30n/25n	100M	1 h 10 min	2 h 20 min	
	30p/23p	60M	1 h 50 min	4 h	
XAVC S HD	60n/50n	50M	2 h 10 min	4 h 30 min	
AAVC 3 HD	XAVC S HD 60p/50p	25M	3 h 50 min	7 h 50 min	

The recording times when [Px Proxy Recording] is set to [Off].

- The times shown are recordable times using a Sony memory card.
- The duration of time available for movie recording varies depending on the file format/recording settings for movies, memory card, ambient temperature, Wi-Fi network environment, condition of the camera before you start recording, and condition of the charging of the battery.

The maximum continuous recording time for a single movie shooting session is approximately 13 hours (a product specification limit).

Note

The recordable time of movies varies because the camera is equipped with VBR (Variable Bit-Rate), which automatically adjusts image quality depending on the shooting scene. When you record a fast-moving subject, the image is clearer but the recordable time is shorter because more memory is required for recording. The recordable time also varies depending on the shooting conditions, the subject or the image quality/size settings.

Notes on continuous movie recording

- High-quality movie recording and high-speed continuous shooting require large amounts of power. Therefore, if you continue to shoot, the temperature inside the camera will rise, especially that of the image sensor. In such cases, the camera will turn off automatically because the surface of the camera is heated to a high temperature or the high temperature affects the quality of the images or the internal mechanism of the camera.
- The duration of time available for continuous movie recording when the camera records with the default settings after the power has been turned off for a while is as follows. The values indicate the continuous time from when the camera starts recording until the camera stops recording.

When [Auto Power OFF Temp.] is set to [Standard]

▶ File Format	XAVC S HD	XAVC S 4K
Ambient temperature: 25°C (77°F)	Approx. 60 minutes	Approx. 20 minutes

▶ File Format	XAVC S HD	XAVC S 4K
Ambient temperature: 40°C (104°F)	Approx. 30 minutes	Approx. 20 minutes

When [Auto Power OFF Temp.] is set to [High]

▶ File Format	XAVC S HD	XAVC S 4K
Ambient temperature: 25°C (77°F)	Approx. 60 minutes	Approx. 60 minutes
Ambient temperature: 40°C (104°F)	Approx. 60 minutes	Approx. 30 minutes

XAVC S HD: 60p 50M/50p 50M; when the camera is not connected via Wi-Fi; when the monitor is open XAVC S 4K: 24p 60M/25p 60M; when the camera is not connected via Wi-Fi; when the monitor is open

- The duration of time available for movie recording varies with the temperature, file format/record setting for movies, Wi-Fi network environment, or condition of the camera before you start recording. If you frequently recompose or shoot images after the power is turned on, the temperature inside the camera will rise and the recording time available will be shorter.
- If the 【【】 (Overheating warning) icon appears, the temperature of the camera has risen.
- If the camera stops movie recording due to a high temperature, leave it for some time with the power turned off. Start recording after the temperature inside the camera drops fully.
- If you observe the following points, you will be able to record movies for longer periods of time.
 - Keep the camera out of direct sunlight.
 - Turn the camera off when it is not being used.

Related Topic

- Memory cards that can be used
- Battery life and number of recordable images

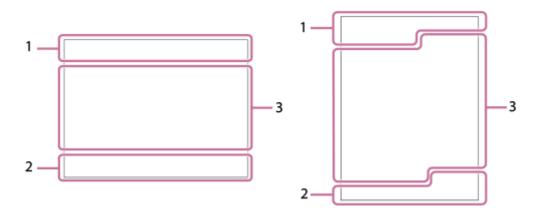
TP1000811366

Help Guide

Digital Camera ZV-1M2

List of icons on the screen for shooting movies

The displayed contents and their positions in the illustrations are just guidelines, and may differ from the actual displays. Also, the displayed contents may vary depending on your camera's system software (firmware) version. Descriptions are given below the indications of the icons.



In addition to the icons described on this page, there are more icons for touch operations (touch function icons) that are displayed on the left or right side of the screen when you swipe the monitor. For details, refer to "Touch function icons."

1. Basic camera settings

Audio level

● OFF

Audio recording off

Microphone Directivity

AF-C MF

Focus Mode

c**Q** DQ

Clear Image Zoom/Digital Zoom

Assist Assist Assist Assist S-Log2 S-Log3 HLG709 HLG2020
Gamma Disp. Assist Typ.

STBY REC

Movie recording standby/Movie recording in progress

1:00:12

Actual movie recording time (hours: minutes: seconds)

4K HD

File format of movies

120p 100p 60p 50p 30p 25p 24p

Frame rate of movies



A memory card is inserted

NO CARD

No memory card inserted



Nearing the rewriting upper limit of the memory card / Rewriting upper limit of the memory card reached

1h 30m

Recordable time of movies

11113

Writing data / Number of images left to write

777

Remaining battery



Remaining battery warning



USB power supply

2. Exposure and other settings

1/250

Shutter speed

F3.5

Aperture value



Exposure compensation/Metered Manual

ISO400 N ISO 400

ISO sensitivity

White Balance (Auto, Preset, Underwater Auto, Custom, Color temperature, Color filter)



AE lock/AWB lock



ND filter in action

3. Other settings (displayed during recording standby)

i Dep De A Des Dem i Sau Saup Sau Saus Saum

Shooting mode

MR1 M S80 S

Shooting mode (MR Cam.Set)



REC Control

EXT 4K

4K external output

00:00:00.00

Time code (hours: minutes: seconds. frames)

00 00 00 00

User Bit

Spot Focus

Performing [Spot Focus]

x4 Slow x4 Quick

Slowness/quickness scale during slow-motion/quick-motion shooting



Movie self-timer



Product Showcase Set

HD(720p) 30p

USB streaming output format

USB Streaming: Standby / USB Streaming: Output

USB streaming status

Select Focus Point On/Off

Guide display for setting Focus Area

Tracking Cancel

Guide display for tracking Focus Cancel Guide display for canceling focusing Tracking+AE Cancel Guide display for tracking+AE Focus+AE Cancel Guide display for focus+AE Touch AE Cancel Guide display for touch AE ▼ Switch Av/Tv Guide display for switching aperture value and shutter speed []× Focus Cancel AS ME AS Touch Focus+AE cancel/TouchTracking+AE cancel/Touch AE cancel **Tracking Cancel** -PC-PC remote 十 Airplane Mode Connected to Wi-Fi (via a Wi-Fi access point) Disconnected from Wi-Fi (via a Wi-Fi access point) Wi-fi (Wi-fi) Connected to Wi-Fi/Disconnected from Wi-Fi (Wi-Fi Direct) Bluetooth connection available / Bluetooth connection unavailable Remote control **₹**, **₹**Ø Obtaining location information / Location information cannot be obtained Metering Mode D-R DRO n D-Range Optimizer C:32:00 Self-diagnosis display

Histogram

(][)

Digital level gauge

[la

Overheating warning

FULL ERROR

Database file full / Database file error

Hint

Area 3 icons may not be displayed while the touch function icons are displayed. To see hidden icons, swipe the touch function icons left or right to hide the touch function icons.

Related Topic

- List of icons on the screen for shooting still images
- List of icons on the playback screen

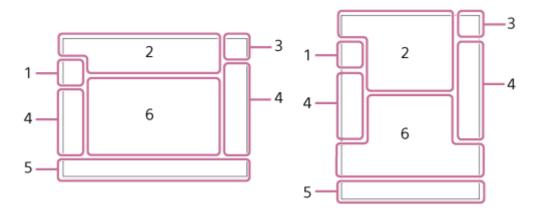
TP1000831967

Help Guide

Digital Camera ZV-1M2

List of icons on the screen for shooting still images

The displayed contents and their positions in the illustrations are just guidelines, and may differ from the actual displays. Also, the displayed contents may vary depending on your camera's system software (firmware) version. Descriptions are given below the indications of the icons.



In addition to the icons described on this page, there are more icons for touch operations (touch function icons) that are displayed on the left or right side of the screen when you swipe the monitor. For details, refer to "Touch function icons."

1. Shooting mode



Shooting mode



Shooting mode (Scene Selection)



Shooting mode (MR Cam.Set)



Scene Recognition icon (Move)

2. Camera settings



A memory card is inserted

NO CARD

No memory card inserted



Nearing the rewriting upper limit of the memory card / Rewriting upper limit of the memory card reached

100

Remaining number of recordable images

11113

Writing data / Number of images left to write

20M / 18M / 17M / 13M / 10M / 7.5M / 6.5M / 5M / 4.2M / 3.7M

Image size of still images

RAW

RAW recording

J-X.FINE J-FINE J-STD

JPEG Quality

AF-S AF-A AF-C DMF MF

Focus Mode

4. Flash charge in progress VIEW Setting Effect OFF 21 Product Showcase Set Displayed at position 5 during vertical display s•Q c•Q D•Q -PC-PC remote

Smart Zoom/Clear Image Zoom/Digital Zoom



Bright Monitoring



Silent mode



Remote control



Connected to Wi-Fi (via a Wi-Fi access point)



Disconnected from Wi-Fi (via a Wi-Fi access point)



Connected to Wi-Fi/Disconnected from Wi-Fi (Wi-Fi Direct)



Focus Cancel



Touch Focus+AE cancel/TouchTracking+AE cancel/Touch AE cancel



Tracking Cancel



Bluetooth connection available / Bluetooth connection unavailable



Obtaining location information / Location information cannot be obtained



Airplane Mode



Overheating warning



Database file full / Database file error

3. Battery

· ///

Remaining battery



Remaining battery warning



USB power supply

4. Shooting settings

Drive Mode



Flash Mode

Flash Comp. Focus Area Metering Mode White Balance (Auto, Preset, Underwater Auto, Custom, Color temperature, Color filter) D-R DRO n D-Range Optimizer ST PT NT VV VV2 FL IN SH BW SE Creative Look ♣AF ♣AF ★AF SCHOOL S Soft Skin Effect PP1 - PP10 PP Picture Profile 5. Focus indicator/exposure settings Focus indicator 1/250 Shutter speed F3.5 Aperture value **Background Defocus** Exposure compensation/Metered Manual **ISO400 ISO AUTO** ISO sensitivity * AWB AE lock/AWB lock ND

ND filter in action

6. Guides/other

Select Focus Point On/Off

Guide display for setting Focus Area

Tracking Cancel

Guide display for tracking

Focus Cancel

Guide display for canceling focusing

Tracking+AE Cancel

Guide display for tracking+AE

Focus+AE Cancel

Guide display for focus+AE

Touch AE Cancel

Guide display for touch AE

▼ Switch Av/Tv

Guide display for switching aperture value and shutter speed

-6-5-4-3-2-1-0-1-2-3-4+

Bracket indicator

C:32:00

Self-diagnosis display

Spot metering area

Histogram

Digital level gauge

Related Topic

- List of icons on the screen for shooting movies
- List of icons on the playback screen

TP1000831968

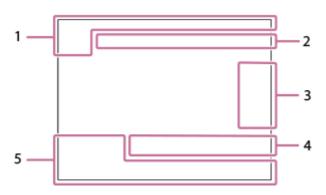
Help Guide

Digital Camera ZV-1M2

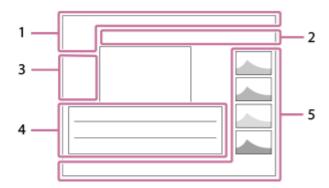
List of icons on the playback screen

The displayed contents and their positions in the illustrations are just guidelines, and may differ from the actual displays. Also, the displayed contents may vary depending on your camera's system software (firmware) version. Descriptions are given below the indications of the icons.

Single-image playback



Histogram display



1. Basic information



Rating



Protect

3/7

File number/Number of images in the view mode

777

Remaining battery



Display as Group



Proxy movie included



Shot Mark included



Smartphone transfer status (when using [* Select on Cam & Send])

2. Camera settings







Disconnected from Wi-Fi (via a Wi-Fi access point) Wi-Fi Wi-Fi Connected to Wi-Fi/Disconnected from Wi-Fi (Wi-Fi Direct) Bluetooth connection available / Bluetooth connection unavailable 十 Airplane Mode []Overheating warning FULL ERROR Database file full / Database file error 3. Touch operation icons **₽** Shooting mode switching **S1** Add/Delete Shot Mark1 **43 3▶** Jump to the positions of Shot Marks 4. Shooting settings 3:2 4:3 16:9 1:1 Aspect ratio 20M / 18M / 17M / 13M / 10M / 7.5M / 6.5M / 5M / 4.2M / 3.7M Image size of still images RAW RAW recording J-X.FINE J-FINE J-STD JPEG Quality XAVC S 4K XAVC S HD File format of movies 120p 100p 60p 50p 30p 25p 24p Frame rate of movies : 100 : : 60 : : 50 : : 25 : : 16 : Record setting of movies 1/250 Shutter speed F3.5 Aperture value **ISO400** ISO sensitivity PASM Exposure mode ₺ Exposure compensation Metering Mode 10_{mm} Lens focal length ST PT NT VV VV2 FL IN SH BW SE Creative Look AWB AWB AWB ※ 🖍 🕰 🔆 第-1 第0 第+1 第+2 🖏 7500K A5 G5 White Balance (Auto, Preset, Underwater Auto, Color temperature, Color filter)

Connected to Wi-Fi (via a Wi-Fi access point)

	D-R OFF DRO AUTO D-Range Optimizer
	HLG
	HDR recording (Hybrid Log-Gamma)
5.	Image information
	Latitude/longitude information
	2023-1-1 10:37:00PM
	Date of recording
	100-0003
	Folder number - file number
	C0003
	Movie file number
	Histogram (Luminance/R/G/B)

Related Topic

- List of icons on the screen for shooting movies
- List of icons on the screen for shooting still images

TP1000831966

Help Guide

Digital Camera ZV-1M2

Specifications

System

Camera Type

Digital Camera

Image sensor

Image format

13.2 mm × 8.8 mm (1.0 type), CMOS image sensor

Effective pixel number of camera

Approx. 20 100 000 pixels

Total pixel number of camera

Approx. 21 000 000 pixels

Lens

ZEISS Vario-Sonnar T*

f = 6.9 mm - 17.6 mm

Angle of view: 100° - 47° (35 mm format equivalent: 18 mm - 50 mm)

F1.8 (W) - F4.0 (T)

Auto focus system

Detection system

Phase-detection system/Contrast detection system

Monitor

LCD monitor

7.5 cm (3.0 type) TFT drive, touch panel

Total number of dots

921 600 dots

Recording format

File format

JPEG (compliant with DCF Ver. 2.0, Exif Ver. 2.32, and MPF Baseline), RAW (Sony ARW 4.0 format compliant)

Movie (XAVC S format)

XAVC Ver2.0: MP4 format compliant

Video: MPEG-4 AVC/H.264

Audio: LPCM 2ch (48 kHz 16 bit), MPEG-4 AAC-LC 2ch*1

^{*1} Proxy movies

Recording media

Memory Stick, SD cards

Input/output terminals

USB Type-C terminal

Hi-Speed USB (USB 2.0)

HDMI

HDMI type D micro jack

(Microphone) terminal

Ø 3.5 mm Stereo mini jack

Power, general

Rated input

3.6 V _____, 1.9 W

Operating temperature

0 °C to 40 °C (32 °F to 104 °F)

Storage temperature

-20 °C to 55 °C (-4 °F to 131 °F)

Dimensions (W/H/D) (Approx.)

105.5 × 60.0 × 46.7 mm

4 1/4 × 2 3/8 × 1 7/8 in.

Mass (Approx.)

292 g (10.3 oz) (including battery pack, SD card)

Microphone

Stereo

Speaker

Monaural

Exif Print

Compatible

PRINT Image Matching III

Compatible

[Eco and energy saving]

Power consumption (Off mode)

Not available

Power consumption (Standby mode/Low power mode)

0.5 W

Power consumption (Networked standby mode)

2.0 W (Bluetooth) / 2.0 W (all terminals and networks connected)

Low power mode activated

Within 20 minutes (default)

Networked standby mode activated

Within 20 minutes (default)

Wireless LAN

Supported format

IEEE 802.11 b/g/n

Frequency band

2.4 GHz

Security

WEP*/WPA-PSK*/WPA2-PSK

If the camera's system software (firmware) is Ver.2.01 or later, wireless connections using WEP or WPA are not supported.

Connection method

Wi-Fi Protected Setup™ (WPS)/Manual

Access method

Infrastructure mode

Bluetooth communications

Bluetooth standard Ver. 4.2

Frequency band

2.4 GHz

Rechargeable battery pack NP-BX1

Rated voltage

3.6 V ____

Recommended USB AC adaptor

Input

100 − 240 V **へ** , 50/60 Hz

Output

5 V ____ , 1.5 A or more

Design and specifications are subject to change without notice.

TP1000940105

Help Guide

Digital Camera ZV-1M2

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TP1000811364

Help Guide

Digital Camera ZV-1M2

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SEE https://www.via-la.com/

On GNU GPL/LGPL applied software

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You may obtain the source code as required by the GPLv2 on a physical medium from us for a period of three years after our last shipment of this product by applying through the form at https://www.sony.net/Products/Linux/. This offer is valid to anyone in receipt of this information.

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Help Guide

Digital Camera ZV-1M2

Troubleshooting

If you experience trouble with the product, try the following solutions.

- If a message such as "C/E:□□:□□" appears on the screen, refer to the self-diagnosis display.
- Remove the battery pack, wait for about one minute, re-insert the battery pack, then turn on the power.
- 3 Initialize the settings.
- Consult your dealer or local authorized service facility. Additional information on this product and answers to frequently asked questions can be found at our Customer Support Website. https://www.sony.net/

Related Topic

Setting Reset

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Help Guide

Digital Camera ZV-1M2

Self-diagnosis display

If a code starting with a letter of the alphabet appears, the self-diagnosis function on this product is working. The last two digits (indicated by $\Box\Box$) will differ depending on the state of this product.

If you cannot solve the problem even after trying the following corrective actions a few times, this product may need repair. Contact your Sony dealer or local authorized Sony service facility.

C:32:

• There is trouble with the product's hardware. Turn the power off and on again.

C:13:nn

- This product cannot read or write data on the memory card. Try turning off and on this product again, or taking out and inserting the memory card several times.
- An unformatted memory card is inserted. Format the memory card.
- The inserted memory card cannot be used with this product, or the data is damaged. Insert a new memory card.

E:61:00 E:62:00 E:91:00

A product malfunction has occurred. Initialize this product, then turn the power on again.

E:94:00

• There is a malfunction when writing or deleting data. Repair is required. Contact your Sony dealer or local authorized Sony service facility. Be prepared to give all numbers in the error code beginning from the E.

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Help Guide

Digital Camera ZV-1M2

Warning messages

Set Area/Date/Time.

Set the area, date and time. If you have not used the product for a long time, charge the internal rechargeable backup battery.

Unable to use memory card. Format?

• The memory card was formatted on a computer and the file format was modified. Select [Enter] and then format the memory card. You can use the memory card again, however, all previous data in the memory card is erased. It may take some time to complete the format. If the message still appears, change the memory card.

Memory Card Error

- An incompatible memory card is inserted.
- Formatting has failed. Format the memory card again.

Unable to read memory card. Reinsert memory card.

- An incompatible memory card is inserted.
- The memory card is damaged.
- The terminal section of the memory card is dirty.

Memory card locked.

You are using a memory card with a write-protect switch or a delete-protect switch with the switch set to the LOCK position. Set the switch to the record position.

Cannot open the shutter since the memory card is not inserted.

- No memory card has been inserted.
- To release the shutter without inserting a memory card into the camera, set [Release w/o Card] to [Enable]. In this case, images will not be saved.

This memory card may not be capable of recording and playing normally.

An incompatible memory card is inserted.

Unable to display.

- Images recorded with other products or images modified with a computer may not be displayed.
- Processing on the computer such as deletion of the image files may cause inconsistencies in the image database files. Repair the image database files.

Internal temp. high. Allow it to cool.

 The product has become hot because you have been shooting continuously. Turn the power off and cool the product and wait until the product is ready to shoot again.

(Overheating warning)

You have been recording images for a long time, the product temperature has risen.

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• The number of images exceeds that for which date management in a database file by the product is possible.

(Database file error)

• Unable to register to the database file. Import all the images to a computer and recover the memory card.

Image DataBase File error

There is something wrong in the Image Database File. Select MENU → [♠] (Shooting) → [Media] → [♠] Recover Image DB].

System Error

Camera Error. Turn power off then on.

 Remove the battery pack, and then re-insert it. If the message appears frequently, consult local authorized Sony service facility.

Unable to magnify. Unable to rotate image.

Images recorded with other products may not be enlarged or rotated.

Cannot create more folders.

• A folder in the memory card has the first three digits "999." You cannot create any more folders on this camera.

Related Topic

- Notes on memory card
- Area/Date/Time Setting
- Format
- Release w/o Card
- Recover Image DB (still image/movie)

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