Interchangeable Lens Digital Camera

ZV-E1 Description for 4K 120p add-on

This Help Guide is for users of the ZV-E1 4K 120p upgrade license and only describes items related to the additional functions.
The upgrade license can be downloaded from the following website:
https://creatorscloud.sony.net/cameraupgrade/4k120p/

ZV-E1: Help Guide ⧉

For details on other functions or how to use the camera, refer to the Help Guide at this link.

Memory cards that can be used

Movie Settings (movie)

S&Q Settings

Angle of view

List of default setting values (Shooting)

Restrictions for the 4K 120p add-on

Interchangeable Lens Digital Camera
ZV-E1 Description for 4K 120p add-on

Memory cards that can be used

This camera supports only SD memory cards (UHS-II compatible). When using microSD memory cards 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

For movie recording (When [Px Proxy Recording] is set to [Off])

Movie recording formats and compatible memory cards are as follows.

File Format	Maximum recordable bit rate when recording	Supported memory card
XAVC HS 4K	280Mbps	• SDXC V60 or higher
XAVC S 4K	280Mbps	• SDXC V60 or higher
XAVC S HD	100Mbps	• SDHC/SDXC card (U3 or higher)
XAVC S-I 4K*	600Mbps	• SDXC V90 or higher
XAVC S-I HD*	222Mbps	• SDXC V90 or higher

* Shooting at a recording frame rate of [120p]/[100p] is not available with [XAVC S-I 4K] or [XAVC S-I HD].

For movie recording (When [Px Proxy Recording] is set to [On])

- Proxy recording is not possible when the recording frame rate is [120p]/[100p]. Depending on the setting for [File Format], the maximum recording bit rate may be lower than when [Px Proxy Recording] is set to [Off]. Supported memory cards for [File Format] are as follows.
- This camera cannot perform proxy recording when shooting in the XAVC S-I format.

File Format	Maximum recordable bit rate when recording	Supported memory card
XAVC HS 4K	200Mbps + 16Mbps*	• SDXC card (V60 or higher)
XAVC S 4K	200Mbps + 16Mbps*	• SDXC card (V60 or higher)
XAVC S HD	50Mbps + 16Mbps*	• SDHC/SDXC card (U3 or higher)

For S&Q Motion shooting (When [Px Proxy Recording] is set to [Off])

File formats and compatible memory cards are as follows.

▶■ File Format	Maximum recordable bit rate when recording	Supported memory card
XAVC HS 4K	500Mbps	● SDXC V90 or higher
XAVC S 4K	560Mbps	● SDXC V90 or higher
XAVC S HD	500Mbps	● SDXC V90 or higher
XAVC S-I 4K*	600Mbps	● SDXC V90 or higher
XAVC S-I HD*	445Mbps	● SDXC V90 or higher

*   Shooting at a recording frame rate of [120p]/[100p] is not available with [XAVC S-I 4K] or [XAVC S-I HD].

For S&Q Motion shooting (When [Px Proxy Recording] is set to [On])

● Proxy recording is not possible when the recording frame rate is [120p]/[100p]. Also, proxy recording is not possible when the frame rate is set to [120fps]/[100fps] or higher. Depending on the setting for [▶■ File Format], the maximum recording bit rate may be lower than when [Px Proxy Recording] is set to [Off]. Supported memory cards for [▶■ File Format] are as follows.
● This camera cannot perform proxy recording when shooting in the XAVC S-I format.

▶■ File Format	Maximum recordable bit rate when recording	Supported memory card
XAVC HS 4K	250Mbps + 16Mbps*	● SDXC card (V60 or higher)
XAVC S 4K	280Mbps + 16Mbps*	● SDXC card (V60 or higher)
XAVC S HD	125Mbps + 16Mbps*	● SDXC card (V60 or higher)

*   The maximum recording bit rate for proxy movies on this camera is 16 Mbps.

For time-lapse shooting (When [Px Proxy Recording] is set to [Off])

● Supported memory cards for [▶■ File Format] are as follows.

▶▣ File Format	Supported memory card
XAVC HS 4K	● SDHC/SDXC card (U3 or higher)
XAVC S 4K	
XAVC S HD	
XAVC S-I 4K	● SDXC card (V90 or higher)
XAVC S-I HD	

For time-lapse shooting (When [Px Proxy Recording] is set to [On])

- Supported memory cards for [▶▣ File Format] are as follows.
- This camera cannot perform proxy recording when shooting in the XAVC S-I format.

▶▣ File Format	Supported memory card
XAVC HS 4K	● SDXC card (V60 or higher)
XAVC S 4K	
XAVC S HD	● SDHC/SDXC card (U3 or higher)

Note

- In slow-motion recording, the recording bit rate is higher than usual. You may need a memory card that can be written at a higher speed.

- 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. When shooting a time-lapse, recording stops automatically right before the file is divided.

- Charge the battery pack sufficiently before attempting to recover the database files on the memory card.

- Time-lapse shooting does not support the recording frame rate of [120p]/[100p].

Related Topic

- S&Q Settings

TP1001273169

Interchangeable Lens Digital Camera
ZV-E1 Description for 4K 120p add-on

Movie Settings (movie)

📷 ▶■ S&Q

Sets the frame rate, bit rate, color information, etc.

1 MENU → 📷/▶■ (Shooting) → [Image Quality/Rec] → [▶■ Movie Settings] → [Rec Frame Rate] → desired setting.

2 MENU → 📷/▶■ (Shooting) → [Image Quality/Rec] → [▶■ Movie Settings] → [Record Setting] → desired setting.

Example of setting values

200M 4:2:2 10bit
(A)   (B)   (C)

(A): Bit rate
(B): Color sampling
(C): Bit depth

- The higher the bit rate, the higher the image quality.
- Color sampling (4:2:2, 4:2:0) is the recording ratio of color information. The more uniform this ratio is, the better the color reproducibility, and it is possible to remove colors neatly even when compositing using a green screen.
- Bit depth represents the gradation of luminance information. When the bit depth is 8 bits, 256 levels of gradation can be obtained. When the bit depth is 10 bits, 1024 levels of gradation can be obtained. A larger value enables smoother expression from dark to bright areas.
- [4:2:2 10 bit] is a setting that assumes that the recorded movie will be edited on a computer. The playback environment for [4:2:2 10 bit] is limited.

Menu item details

When [▶■ File Format] is set to [XAVC HS 4K]

Rec Frame Rate	Record Setting	Size	Movie compression format
60p/50p	200M 4:2:2 10bit	3840×2160	Long GOP
60p/50p	150M 4:2:0 10bit	3840×2160	Long GOP
60p/50p	100M 4:2:2 10bit	3840×2160	Long GOP
60p/50p	75M 4:2:0 10bit	3840×2160	Long GOP
60p/50p	45M 4:2:0 10bit	3840×2160	Long GOP
24p*	100M 4:2:2 10bit	3840×2160	Long GOP
24p*	100M 4:2:0 10bit	3840×2160	Long GOP

Rec Frame Rate	Record Setting	Size	Movie compression format
24p*	50M 4:2:2 10bit	3840×2160	Long GOP
24p*	50M 4:2:0 10bit	3840×2160	Long GOP
24p*	30M 4:2:0 10bit	3840×2160	Long GOP
120p/100p	280M 4:2:2 10bit	3840×2160	Long GOP
120p/100p	200M 4:2:0 10bit	3840×2160	Long GOP

* Only when [NTSC/PAL Selector] is set to NTSC.

When [▶■ File Format] is set to [XAVC S 4K]

Rec Frame Rate	Record Setting	Size	Movie compression format
60p/50p	200M 4:2:2 10bit	3840×2160	Long GOP
60p/50p	150M 4:2:0 8bit	3840×2160	Long GOP
30p/25p	140M 4:2:2 10bit	3840×2160	Long GOP
30p/25p	100M 4:2:0 8bit	3840×2160	Long GOP
30p/25p	60M 4:2:0 8bit	3840×2160	Long GOP
24p*	100M 4:2:2 10bit	3840×2160	Long GOP
24p*	100M 4:2:0 8bit	3840×2160	Long GOP
24p*	60M 4:2:0 8bit	3840×2160	Long GOP
120p/100p	280M 4:2:2 10bit	3840×2160	Long GOP
120p/100p	200M 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 4:2:2 10bit	1920×1080	Long GOP
60p/50p	50M 4:2:0 8bit	1920×1080	Long GOP
60p/50p	25M 4:2:0 8bit	1920×1080	Long GOP
30p/25p	50M 4:2:2 10bit	1920×1080	Long GOP
30p/25p	50M 4:2:0 8bit	1920×1080	Long GOP
30p/25p	16M 4:2:0 8bit	1920×1080	Long GOP
24p*	50M 4:2:2 10bit	1920×1080	Long GOP
24p*	50M 4:2:0 8bit	1920×1080	Long GOP

Rec Frame Rate	Record Setting	Size	Movie compression format
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.

When [▶▮ File Format] is set to [XAVC S-I 4K]

Rec Frame Rate	Record Setting	Size	Movie compression format
60p/50p	600M 4:2:2 10bit/500M 4:2:2 10bit	3840×2160	Intra
30p/25p	300M 4:2:2 10bit/250M 4:2:2 10bit	3840×2160	Intra
24p*	240M 4:2:2 10bit	3840×2160	Intra

*   Only when [NTSC/PAL Selector] is set to NTSC.

When [▶▮ File Format] is set to [XAVC S-I HD]

Rec Frame Rate	Record Setting	Size	Movie compression format
60p/50p	222M 4:2:2 10bit/185M 4:2:2 10bit	1920×1080	Intra
30p/25p	111M 4:2:2 10bit/93M 4:2:2 10bit	1920×1080	Intra
24p*	89M 4:2:2 10bit	1920×1080	Intra

*   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.

Interchangeable Lens Digital Camera
ZV-E1 Description for 4K 120p add-on

S&Q Settings

◻ **▶◼** **S&Q**

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 **Set the Still/Movie/S&Q switch to S&Q (S&Q Motion).**

2 **Select [S&Q Motion] on the [S&Q ⚙ Shoot Mode] screen, and then use the left/right side of the control wheel to select the desired shooting mode (Intelligent Auto, Program Auto, Aperture Priority, Shutter Priority, or Manual Exposure).**

- The [S&Q ⚙ Shoot Mode] screen is not displayed when [Shoot Mode Sel. Screen] is set to [Not Displayed]. Select MENU → ▶◼ (Shooting) → [Shooting Mode] → [S&Q ⚙ Shoot Mode], and then select the desired shooting mode for [S&Q Motion].

3 **Select MENU → ▶◼ (Shooting) → [Image Quality/Rec] → [S&Q S&Q Settings] → Select an item to set, and then select the desired setting.**

4 **Press the MOVIE (movie) button to start recording.**

- Press the MOVIE button again to stop recording.

Menu item details

S&Q Frame Rate Settings:
Selects the frame rate of the movie and the shooting frame rate.

S&Q Record Setting:
Selects the bit rate, color sampling, and bit depth of the movie.

- The [S&Q Rec Frame Rate] that can be set for [S&Q Frame Rate Settings] and the values that can be set for [S&Q Record Setting] are the same as the setting values for [▶◼ Movie Settings].
- The format of the recorded movie will be the same as the [▶◼ File Format] setting.

Playback speed

The playback speed will vary as below depending on the value set for [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	S&Q Rec Frame Rate: 120p
240fps	10 times slower	8 times slower	4 times slower	2 times slower
120fps	5 times slower	4 times slower	2 times slower	Normal playback speed
60fps	2.5 times slower	2 times slower	Normal playback speed	2 times quick
30fps	1.25 times slower	Normal playback speed	2 times quick	4 times quick
15fps	1.6 times quick	2 times quick	4 times quick	8 times quick
8fps	3 times quick	3.75 times quick	7.5 times quick	15 times quick
4fps	6 times quick	7.5 times quick	15 times quick	30 times quick
2fps	12 times quick	15 times quick	30 times quick	60 times quick
1fps	24 times quick	30 times quick	60 times quick	120 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	S&Q Rec Frame Rate: 100p
200fps	8 times slower	4 times slower	2 times slower
100fps	4 times slower	2 times slower	Normal playback speed
50fps	2 times slower	Normal playback speed	2 times quick
25fps	Normal playback speed	2 times quick	4 times quick
12fps	2.08 times quick	4.16 times quick	8.33 times quick
6fps	4.16 times quick	8.33 times quick	16.66 times quick
3fps	8.33 times quick	16.66 times quick	33.33 times quick
2fps	12.5 times quick	25 times quick	50 times quick
1fps	25 times quick	50 times quick	100 times quick

- [120fps]/[100fps] cannot be selected when [▶■ File Format] is set to following items:
  - XAVC S-I 4K

- [240fps]/[200fps] cannot be selected when [▶■ File Format] is set to following items:
  - XAVC HS 4K
  - XAVC S 4K
  - XAVC S-I 4K
  - XAVC S-I HD

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

- Memory cards that can be used

TP1001273171

Interchangeable Lens Digital Camera
ZV-E1 Description for 4K 120p add-on

Angle of view

The angle of view switches to the equivalent of full frame or APS-C/Super 35mm, depending on the setting for [🎥 **APS-C S35** Shooting] and the attached lens. The angle of view is also different for still image shooting and movie shooting.

Angle of view equivalent to full frame

(A) When shooting still images
(B) When recording movies (Other than 4K 120p/100p)
(C) When recording movies (4K 120p/100p)

The camera shoots with an angle of view equivalent to full frame when [🎥 **APS-C S35** Shooting] is set to [Off].

Angle of view equivalent to APS-C size/Super 35mm

(A) When shooting still images
(B) When recording movies (Full-HD)

The camera shoots with an angle of view equivalent to APS-C size or Super 35mm when [🎥 **APS-C S35** Shooting] is set to [On]. The angle of view is approximately 1.5 times the focal length indicated on the lens for both still images and movies. However, 4K movies cannot be recorded when [🎥 **APS-C S35** Shooting] is set to [On].

Related Topic

- Movie Settings (movie)

TP1001273173

Interchangeable Lens Digital Camera
ZV-E1 Description for 4K 120p add-on

List of default setting values (Shooting)

The default setting values at the time of purchase are shown in the following table.
The content of the menu displayed on the screen differs depending on the position of the Still/Movie/S&Q switch.

To reset settings to the default values

Select MENU → 🔧 (Setup) → [Reset/Save Settings] → [Setting Reset] → [Camera Settings Reset] or [Initialize] → [Enter].
Initialize: All the settings of the camera will be reset to the default values.
Camera Settings Reset: Items that can be reset are limited. See the following table.

📷 / ▶■ (Shooting) tab

MENU item	Default setting value	Resettable using [Camera Settings Reset]
JPEG/HEIF Switch	JPEG	✔
📷 File Format	JPEG/HEIF	✔
RAW File Type	Compressed	✔
JPEG Quality/HEIF Quality	Fine	✔
JPEG Image Size/HEIF Image Size (when [Aspect Ratio] is set to [3:2])	L: 12M	✔
JPEG Image Size/HEIF Image Size (when [Aspect Ratio] is set to [4:3])	L: 11M	✔
JPEG Image Size/HEIF Image Size (when [Aspect Ratio] is set to [16:9])	L: 10M	✔
JPEG Image Size/HEIF Image Size (when [Aspect Ratio] is set to [1:1])	L: 8M	✔
Aspect Ratio	3:2	✔
▶■ File Format	XAVC S HD	✔
▶■ Movie Settings (Rec Frame Rate) (when [▶■ File Format] is set to [XAVC HS 4K])	60p/50p	✔
▶■ Movie Settings (Rec Frame Rate) (when [▶■ File Format] is set to [XAVC S 4K])	60p/50p	✔
▶■ Movie Settings (Rec Frame Rate) (when [▶■ File Format] is set to [XAVC S HD])	60p/50p	✔
▶■ Movie Settings (Rec Frame Rate) (when [▶■ File Format] is set to [XAVC S-I 4K])	60p/50p	✔

MENU item	Default setting value	Resettable using [Camera Settings Reset]
▶█ Movie Settings (Rec Frame Rate) (when [▶█ File Format] is set to [XAVC S-I HD])	60p/50p	✓
▶█ Movie Settings (Record Setting) (when [▶█ File Format] is set to [XAVC HS 4K] and [Rec Frame Rate] is set to [60p]/[50p])	45M 4:2:0 10bit	✓
▶█ Movie Settings (Record Setting) (when [▶█ File Format] is set to [XAVC HS 4K] and [Rec Frame Rate] is set to [24p])	50M 4:2:0 10bit	✓
▶█ Movie Settings (Record Setting) (when [▶█ File Format] is set to [XAVC HS 4K] and [Rec Frame Rate] is set to [120p]/[100p])	200M 4:2:0 10bit	✓
▶█ Movie Settings (Record Setting) (when [▶█ File Format] is set to [XAVC S 4K] and [Rec Frame Rate] is set to [60p]/[50p])	150M 4:2:0 8bit	✓
▶█ Movie Settings (Record Setting) (when [▶█ File Format] is set to [XAVC S 4K] and [Rec Frame Rate] is set to [30p]/[25p])	60M 4:2:0 8bit	✓
▶█ Movie Settings (Record Setting) (when [▶█ File Format] is set to [XAVC S 4K] and [Rec Frame Rate] is set to [24p])	60M 4:2:0 8bit	✓
▶█ Movie Settings (Record Setting) (when [▶█ File Format] is set to [XAVC S 4K] and [Rec Frame Rate] is set to [120p]/[100p])	200M 4:2:0 8bit	✓
▶█ Movie Settings (Record Setting) (when [▶█ File Format] is set to [XAVC S HD] and [Rec Frame Rate] is set to [60p]/[50p])	50M 4:2:0 8bit	✓
▶█ Movie Settings (Record Setting) (when [▶█ File Format] is set to [XAVC S HD] and [Rec Frame Rate] is set to [30p]/[25p])	50M 4:2:0 8bit	✓
▶█ Movie Settings (Record Setting) (when [▶█ File Format] is set to [XAVC S HD] and [Rec Frame Rate] is set to [24p])	50M 4:2:0 8bit	✓
▶█ Movie Settings (Record Setting) (when [▶█ File Format] is set to [XAVC S HD] and [Rec Frame Rate] is set to [120p]/[100p])	60M 4:2:0 8bit	✓
▶█ Movie Settings (Record Setting) (when [▶█ File Format] is set to [XAVC S-I 4K] and [Rec Frame Rate] is set to [60p]/[50p])	600M 4:2:2 10bit/500M 4:2:2 10bit	✓
▶█ Movie Settings (Record Setting) (when [▶█ File Format] is set to [XAVC S-I 4K] and [Rec Frame Rate] is set to [30p]/[25p])	300M 4:2:2 10bit/250M 4:2:2 10bit	✓
▶█ Movie Settings (Record Setting) (when [▶█ File Format] is set to [XAVC S-I 4K] and [Rec Frame Rate] is set to [24p])	240M 4:2:2 10bit	✓
▶█ Movie Settings (Record Setting) (when [▶█ File Format] is set to [XAVC S-I HD] and [Rec Frame Rate] is set to [60p]/[50p])	222M 4:2:2 10bit/185M 4:2:2 10bit	✓

MENU item	Default setting value	Resettable using [Camera Settings Reset]
▶️ Movie Settings (Record Setting) (when [▶️ File Format] is set to [XAVC S-I HD] and [Rec Frame Rate] is set to [30p]/[25p])	111M 4:2:2 10bit/93M 4:2:2 10bit	✓
▶️ Movie Settings (Record Setting) (when [▶️ File Format] is set to [XAVC S-I HD] and [Rec Frame Rate] is set to [24p])	89M 4:2:2 10bit	✓
S&Q S&Q Settings (S&Q Frame Rate Settings) (when [▶️ File Format] is set to [XAVC HS 4K])	60p 60fps / 50p 50fps	✓
S&Q S&Q Settings (S&Q Frame Rate Settings) (when [▶️ File Format] is set to [XAVC S 4K])	60p 60fps / 50p 50fps	✓
S&Q S&Q Settings (S&Q Frame Rate Settings) (when [▶️ File Format] is set to [XAVC S HD])	60p 120fps / 50p 100fps	✓
S&Q S&Q Settings (S&Q Frame Rate Settings) (when [▶️ File Format] is set to [XAVC S-I 4K])	60p 60fps / 50p 50fps	✓
S&Q S&Q Settings (S&Q Frame Rate Settings) (when [▶️ File Format] is set to [XAVC S-I HD])	60p 120fps / 50p 100fps	✓
S&Q S&Q Settings (S&Q Record Setting) (when [▶️ File Format] is set to [XAVC HS 4K] and [Rec Frame Rate] is set to [60p]/[50p])	45M 4:2:0 10bit	✓
S&Q S&Q Settings (S&Q Record Setting) (when [▶️ File Format] is set to [XAVC HS 4K] and [Rec Frame Rate] is set to [24p])	50M 4:2:0 10bit	✓
S&Q S&Q Settings (S&Q Record Setting) (when [▶️ File Format] is set to [XAVC HS 4K] and [Rec Frame Rate] is set to [120p]/[100p])	200M 4:2:0 10bit	✓
S&Q S&Q Settings (S&Q Record Setting) (when [▶️ File Format] is set to [XAVC S 4K] and [Rec Frame Rate] is set to [60p]/[50p])	150M 4:2:0 8bit	✓
S&Q S&Q Settings (S&Q Record Setting) (when [▶️ File Format] is set to [XAVC S 4K] and [Rec Frame Rate] is set to [30p]/[25p])	60M 4:2:0 8bit	✓
S&Q S&Q Settings (S&Q Record Setting) (when [▶️ File Format] is set to [XAVC S 4K] and [Rec Frame Rate] is set to [24p])	60M 4:2:0 8bit	✓
S&Q S&Q Settings (S&Q Record Setting) (when [▶️ File Format] is set to [XAVC S 4K] and [Rec Frame Rate] is set to [120p]/[100p])	200M 4:2:0 8bit	✓
S&Q S&Q Settings (S&Q Record Setting) (when [▶️ File Format] is set to [XAVC S HD] and [Rec Frame Rate] is set to [60p]/[50p])	50M 4:2:0 8bit	✓
S&Q S&Q Settings (S&Q Record Setting) (when [▶️ File Format] is set to [XAVC S HD] and [Rec Frame Rate] is set to [30p]/[25p])	50M 4:2:0 8bit	✓

MENU item	Default setting value	Resettable using [Camera Settings Reset]
S&Q S&Q Settings (**S&Q** Record Setting) (when [▶■ File Format] is set to [XAVC S HD] and [Rec Frame Rate] is set to [24p])	50M 4:2:0 8bit	✓
S&Q S&Q Settings (**S&Q** Record Setting) (when [▶■ File Format] is set to [XAVC S HD] and [Rec Frame Rate] is set to [120p]/[100p])	60M 4:2:0 8bit	✓
S&Q S&Q Settings (**S&Q** Record Setting) (when [▶■ File Format] is set to [XAVC S-I 4K] and [Rec Frame Rate] is set to [60p])	600M 4:2:2 10bit	✓
S&Q S&Q Settings (**S&Q** Record Setting) (when [▶■ File Format] is set to [XAVC S-I 4K] and [Rec Frame Rate] is set to [50p])	500M 4:2:2 10bit	✓
S&Q S&Q Settings (**S&Q** Record Setting) (when [▶■ File Format] is set to [XAVC S-I 4K] and [Rec Frame Rate] is set to [30p])	300M 4:2:2 10bit	✓
S&Q S&Q Settings (**S&Q** Record Setting) (when [▶■ File Format] is set to [XAVC S-I 4K] and [Rec Frame Rate] is set to [25p])	250M 4:2:2 10bit	✓
S&Q S&Q Settings (**S&Q** Record Setting) (when [▶■ File Format] is set to [XAVC S-I 4K] and [Rec Frame Rate] is set to [24p])	240M 4:2:2 10bit	✓
S&Q S&Q Settings (**S&Q** Record Setting) (when [▶■ File Format] is set to [XAVC S-I HD] and [Rec Frame Rate] is set to [60p])	222M 4:2:2 10bit	✓
S&Q S&Q Settings (**S&Q** Record Setting) (when [▶■ File Format] is set to [XAVC S-I HD] and [Rec Frame Rate] is set to [50p])	185M 4:2:2 10bit	✓
S&Q S&Q Settings (**S&Q** Record Setting) (when [▶■ File Format] is set to [XAVC S-I HD] and [Rec Frame Rate] is set to [30p])	111M 4:2:2 10bit	✓
S&Q S&Q Settings (**S&Q** Record Setting) (when [▶■ File Format] is set to [XAVC S-I HD] and [Rec Frame Rate] is set to [25p])	93M 4:2:2 10bit	✓
S&Q S&Q Settings (**S&Q** Record Setting) (when [▶■ File Format] is set to [XAVC S-I HD] and [Rec Frame Rate] is set to [24p])	89M 4:2:2 10bit	✓
⏱ Time-lapse Settings (when [▶■ File Format] is set to [XAVC HS 4K])	60p	✓
⏱ Time-lapse Settings (when [▶■ File Format] is set to [XAVC S 4K])	60p	✓
⏱ Time-lapse Settings (when [▶■ File Format] is set to [XAVC S HD])	60p	✓

MENU item	Default setting value	Resettable using [Camera Settings Reset]
⏱ Time-lapse Settings (when [▶▯ File Format] is set to [XAVC S-I 4K])	60p	✓
⏱ Time-lapse Settings (when [▶▯ File Format] is set to [XAVC S-I HD])	60p	✓
⏱ Time-lapse Settings (⏱ Interval Time)	1 Sec	✓
⏱ Time-lapse Settings(⏱ Record Setting) (when [▶▯ File Format] is set to [XAVC HS 4K] and [Rec Frame Rate] is set to [60p]/[50p])	45M 4:2:0 10bit	✓
⏱ Time-lapse Settings(⏱ Record Setting) (when [▶▯ File Format] is set to [XAVC HS 4K] and [Rec Frame Rate] is set to [24p])	50M 4:2:0 10bit	✓
⏱ Time-lapse Settings(⏱ Record Setting) (when [▶▯ File Format] is set to [XAVC S 4K] and [Rec Frame Rate] is set to [60p]/[50p])	150M 4:2:0 8bit	✓
⏱ Time-lapse Settings(⏱ Record Setting) (when [▶▯ File Format] is set to [XAVC S 4K] and [Rec Frame Rate] is set to [30p]/[25p])	60M 4:2:0 8bit	✓
⏱ Time-lapse Settings(⏱ Record Setting) (when [▶▯ File Format] is set to [XAVC S 4K] and [Rec Frame Rate] is set to [24p])	60M 4:2:0 8bit	✓
⏱ Time-lapse Settings(⏱ Record Setting) (when [▶▯ File Format] is set to [XAVC S HD] and [Rec Frame Rate] is set to [60p]/[50p])	50M 4:2:0 8bit	✓
⏱ Time-lapse Settings(⏱ Record Setting) (when [▶▯ File Format] is set to [XAVC S HD] and [Rec Frame Rate] is set to [30p]/[25p])	50M 4:2:0 8bit	✓
⏱ Time-lapse Settings(⏱ Record Setting) (when [▶▯ File Format] is set to [XAVC S HD] and [Rec Frame Rate] is set to [24p])	50M 4:2:0 8bit	✓
⏱ Time-lapse Settings(⏱ Record Setting) (when [▶▯ File Format] is set to [XAVC S-I 4K] and [Rec Frame Rate] is set to [60p])	600M 4:2:2 10bit	✓
⏱ Time-lapse Settings(⏱ Record Setting) (when [▶▯ File Format] is set to [XAVC S-I 4K] and [Rec Frame Rate] is set to [50p])	500M 4:2:2 10bit	✓
⏱ Time-lapse Settings(⏱ Record Setting) (when [▶▯ File Format] is set to [XAVC S-I 4K] and [Rec Frame Rate] is set to [30p])	300M 4:2:2 10bit	✓
⏱ Time-lapse Settings(⏱ Record Setting) (when [▶▯ File Format] is set to [XAVC S-I 4K] and [Rec Frame Rate] is set to [25p])	250M 4:2:2 10bit	✓

MENU item	Default setting value	Resettable using [Camera Settings Reset]
⏱ Time-lapse Settings(⏱ Record Setting) (when [▶■ File Format] is set to [XAVC S-I 4K] and [Rec Frame Rate] is set to [24p])	240M 4:2:2 10bit	✓
⏱ Time-lapse Settings(⏱ Record Setting) (when [▶■ File Format] is set to [XAVC S-I HD] and [Rec Frame Rate] is set to [60p])	222M 4:2:2 10bit	✓
⏱ Time-lapse Settings(⏱ Record Setting) (when [▶■ File Format] is set to [XAVC S-I HD] and [Rec Frame Rate] is set to [50p])	185M 4:2:2 10bit	✓
⏱ Time-lapse Settings(⏱ Record Setting) (when [▶■ File Format] is set to [XAVC S-I HD] and [Rec Frame Rate] is set to [30p])	111M 4:2:2 10bit	✓
⏱ Time-lapse Settings(⏱ Record Setting) (when [▶■ File Format] is set to [XAVC S-I HD] and [Rec Frame Rate] is set to [25p])	93M 4:2:2 10bit	✓
⏱ Time-lapse Settings(⏱ Record Setting) (when [▶■ File Format] is set to [XAVC S-I HD] and [Rec Frame Rate] is set to [24p])	89M 4:2:2 10bit	✓
⏱ Time-lapse Settings(⏱ Video Light Setting)	Off	✓
Log Shooting Setting (Log Shooting)	Off	✓
Log Shooting Setting (Color Gamut)	S-Gamut3.Cine/S-Log3	✓
Log Shooting Setting (Embed LUT File)	On	✓
Px Proxy Settings (Px Proxy Recording)	Off	✓
Px Proxy Settings (Px Proxy File Format)	XAVC S HD	✓
Px Proxy Settings (Px Proxy Rec. Settings) (when [Px Proxy File Format] is set to [XAVC HS HD])	9M 4:2:0 10bit	✓
Px Proxy Settings (Px Proxy Rec. Settings) (when [Px Proxy File Format] is set to [XAVC S HD])	6M 4:2:0 8bit	✓
🎞 APS-C S35 Shooting	Auto	—
High ISO NR	Normal	✓
HLG Still Image	Off	✓
Color Space	sRGB	✓
🎞 Lens Compensation (Shading Comp.)	Auto	—
🎞 Lens Compensation (Chromatic Aberration Comp.)	Auto	—
🎞 Lens Compensation (Distortion Comp.)	Off	—
🎞 Lens Compensation (Breathing Comp.)	Off	✓

MENU item	Default setting value	Resettable using [Camera Settings Reset]
Format	—	—
🐾 Recover Image DB* * This item is not reset even if you select [Camera Settings Reset] or [Initialize].	—	—
🐾 Display Media Info.	—	—
File/Folder Settings (File Number)	Series	—
File/Folder Settings (Forced File Number Reset)	—	—
File/Folder Settings (Set File Name)	DSC	—
File/Folder Settings (Folder Name)	Standard Form	—
Select REC Folder	—	—
Create New Folder	—	—
Copyright Info (Write Copyright Info)	Off	—
Copyright Info (Set Photographer)	—	—
Copyright Info (Set Copyright)	—	—
Copyright Info (Disp. Copyright Info)	—	—
🐾 Write Serial Number	Off	—
File Settings (File Number)	Series	—
File Settings (Series Counter Reset)	—	—
File Settings (File Name Format)	Standard	—
File Settings (Title Name Settings)	C	—
📷 Shoot Mode	Intelligent Auto	✓
)▮ Shoot Mode	Intelligent Auto	✓
S&Q 💠 Shoot Mode (S&Q Motion)	Intelligent Auto	✓
S&Q 💠 Shoot Mode (💠 Time-lapse)	Intelligent Auto	✓
MR Camera Set. Memory	—	—
Drive Mode	Single Shooting	✓
Bracket Settings (Selftimer during Bracket)	Off	✓
Bracket Settings (Bracket order)	0→-→+	✓
Bracket Settings (Focus Bracket Order)	0→+	✓
Bracket Settings (Exposure Smoothing)	Off	✓
Bracket Settings (Shooting Interval)	Shortest	✓

MENU item	Default setting value	Resettable using [Camera Settings Reset]
Bracket Settings (Focus Brckt Saving Dest)	Current Folder	✔
Interval Shoot Func. (Interval Shooting)	Off	✔
Interval Shoot Func. (Shooting Start Time)	1 Sec	✔
Interval Shoot Func. (Shooting Interval)	3 Sec	✔
Interval Shoot Func. (Number of Shots)	30	✔
Interval Shoot Func. (AE Tracking Sensitivity)	Mid	✔
Interval Shoot Func. (Shoot Interval Priority)	Off	✔
🎬 Silent Mode Settings (Silent Mode)	Off	✔
🎬 Silent Mode Settings ([Aperture Drive in AF] under [Target Function Settings])	Standard	✔
🎬 Release w/o Lens	Enable	—
Release w/o Card	Enable	—
Anti-flicker Set. (🎬 Var. Shutter)	Off	✔
Anti-flicker Set. (🎬 Var. Shutter Set.)	—	—
Audio Recording	On	✔
Audio Rec Level	26	✔
Audio Out Timing	Live	✔
Wind Noise Reduct.	Auto	✔
Microphone Directivity	Auto	✔
Mic Direct Select Setting	—	✔
🎤 Shoe Audio Set.	48khz/16bit 2ch	✔
Time Code Preset	00:00:00.00	—
User Bit Preset	00 00 00 00	—
Time Code Format	DF	—
Time Code Run	Rec Run	—
Time Code Make	Preset	—
User Bit Time Rec	Off	—
📷 SteadyShot	On	✔
▶ SteadyShot	Active	✔
🎬 SteadyShot Adjust.	Auto	✔

MENU item	Default setting value	Resettable using [Camera Settings Reset]
🎥 〘🖐〙 Focal Length (when [🎥 SteadyShot Adjust.] is set to [Manual])	8mm	✓
Framing Stabilizer	Off	✓
🎥 Zoom Range	Clear Image Zoom	—
🎥 Step Zoom Magnif.	—	—
🎥 Zoom Lever Speed (Zoom Speed **STBY**)	3	✓
🎥 Zoom Lever Speed (Zoom Speed **REC**)	3	✓
🎥 Custom Key Z. Speed (Fixed Speed **STBY**)	3	✓
🎥 Custom Key Z. Speed (Fixed Speed **REC**)	3	✓
🎥 Remote Zoom Speed (📱 Speed Type)	Variable	✓
🎥 Remote Zoom Speed (📱 Fixed Speed **STBY**)	3	✓
🎥 Remote Zoom Speed (📱 Fixed Speed **REC**)	3	✓
🎥 Grid Line Display	Off	—
🎥 Grid Line Type	Rule of 3rds Grid	—
Live View Display Set. (Live View Display)	Setting Effect ON	—
Live View Display Set. (Exposure Effect)	Exposure Set. & flash	—
Emphasized REC Display	On	✓
Marker Display	Off	—
Center Marker	Off	—
Aspect Marker	Off	—
Safety Zone	Off	—
Guideframe	Off	—
🎥 Product SC Set	Off	✓
📷 Defocus Level Set	—	✓
Cinematic Vlog Set.	Off	✓
▶■ Self-timer	Off	✓
Auto Framing Settings (Auto Framing)	Off	✓
Auto Framing Settings (Framing Oper. Mode)	Auto Start	✓
Auto Framing Settings (Crop Level)	Medium crop level	✓
Auto Framing Settings (Framing Tracking Speed)	3	✓
Auto Framing Settings (Movie Rec/Streaming)	Crop	✓

MENU item	Default setting value	Resettable using [Camera Settings Reset]
Auto Framing Settings (HDMI Output)	Crop	✔

Interchangeable Lens Digital Camera
ZV-E1 Description for 4K 120p add-on

Restrictions for the 4K 120p add-on

- When [Rec Frame Rate] is set to [120p]/[100p], the following functions are restricted.

  - Proxy recording (for normal movies and slow-motion/quick-motion movies)
  - Smart Zoom, Clear Image Zoom, and Digital Zoom
  - [Active] and [Dynamic active] under [▶ SteadyShot] (for normal movies)

- During slow-motion/quick-motion shooting with [S&Q Frame Rate] set to [120fps]/[100fps] or higher, the following functions are restricted.

  - Proxy recording
  - Smart Zoom, Clear Image Zoom, and Digital Zoom
  - [Active] and [Dynamic active] under [▶ SteadyShot]

TP1001273285