SONY
帮助指南

数据投影机
VPL-P620HZ/P520HZ

本手册适用于使用数据投影机时遇到问题或有疑惑的用户。
并非所有机型均适用于所有国家和地区。请向当地Sony授权经销商查询。

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使用网络功能

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- 配置https通信
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使用前须知

使用前须知

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- 请勿将本产品放在医疗设备附近

免责声明
清洁空气滤网
更新软件

规格

规格

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- 针脚分配（HDMI端子）
- 针脚分配（RGB输入端子）
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- 针脚分配（USB端子）

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- 投影距离/投影距离公式
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- 没电
- 不显示图像
- 无法连接电脑
- 无画面显示
- 屏幕纵横比异常/画面显示小/不显示部分图像
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画面太暗/太亮
画面模糊
银幕噪点
无声音
遥控器无效
风扇噪音高
其他
软件声明
GNU GPL/LGPL应用软件有关的通知
其他软件
商标

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检查附带附件

确认包括了以下组件。（）表示组件的数量。

- 遥控器（RM-PJ8CN）（1）
- 锂电池（CR2025）（1）
  电池已安装。使用遥控器前，拆掉绝缘薄膜。
- 交流电源线（1）
- 迷你D-sub 15针电缆（1.8 m）（1）
  （1-970-584-11/Sony）
- 设置指南（1）
- 保修卡（1）

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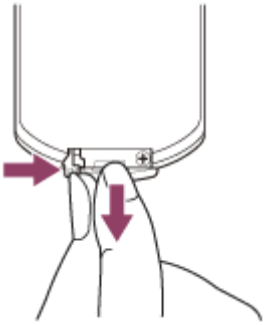
电池插入遥控器

购买时将锂电池装到遥控器。使用遥控器前，拆掉绝缘薄膜。
如果遥控器不再能工作，请通过以下步骤更换新的锂电池。

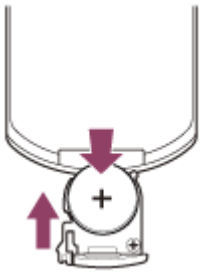
1. **拔出锂电池盒。**

   松开锁扣后朝自身拉出电池盒。



2. **插入锂电池。**

   锂电池应置于电池盒中，正极朝上。



3. **盖上锂电池盒。**

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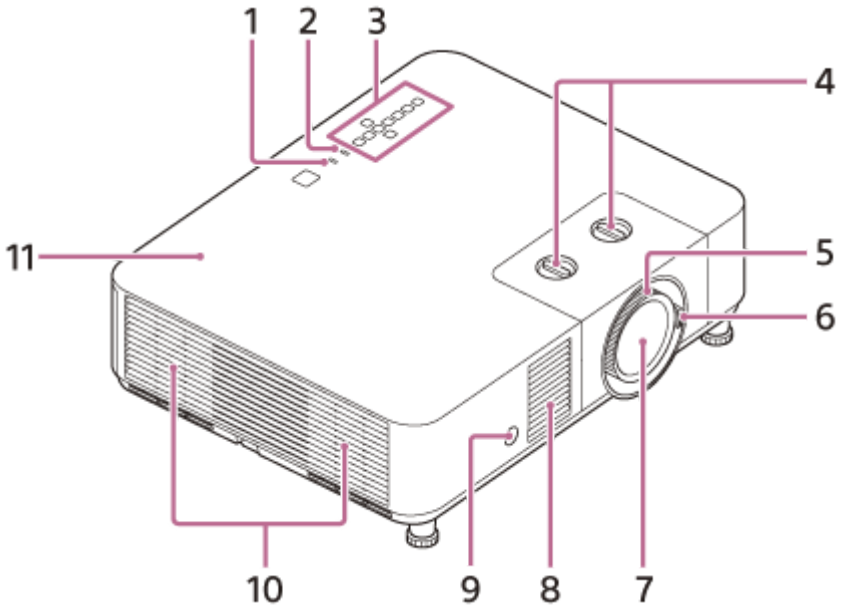
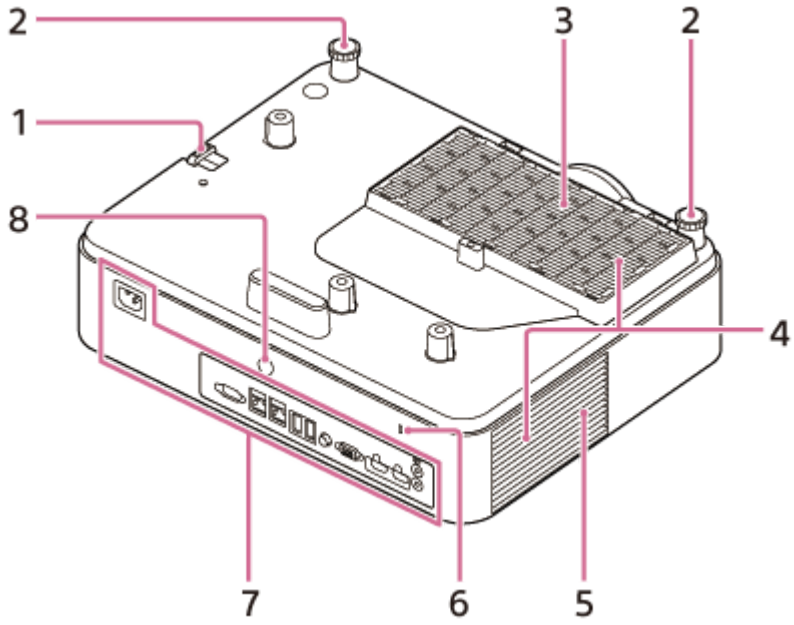
部件和控制（主机）

顶部/前侧/右侧



1. ON/STANDBY指示灯
2. WARNING指示灯
3. 控制面板
4. 镜头移位拨盘
5. 对焦环
6. 变焦杆
7. 投影镜头
8. 通风孔（进气）
9. 遥控接收器
10. 通风孔（排气）
11. 顶盖

后部/底部



1. **防盗杆**
   用于安装防盗链（绳），属市售产品。
2. **前撑脚（可调整）**
3. **空气滤网盖**
4. **通风孔（进气）**
5. **扬声器**
6. **防盗锁**
   用于安装Kensington生产的防盗电缆。
   有关详细信息，请访问Kensington网站。
   https://www.kensington.com/
7. **端子**
8. **遥控接收器**

注意

请勿在通风孔周围放置任何物品。本机内部的温度可能会升高从而造成故障或火灾。请勿将手或易变形物体放在通风孔（排气）旁边和周围。这样可能造成灼伤或这些物品变形。

相关主题

- 部件和控制（连接端子）
- 部件和控制（遥控器和控制面板）
- 清洁空气滤网
- 检查指示灯

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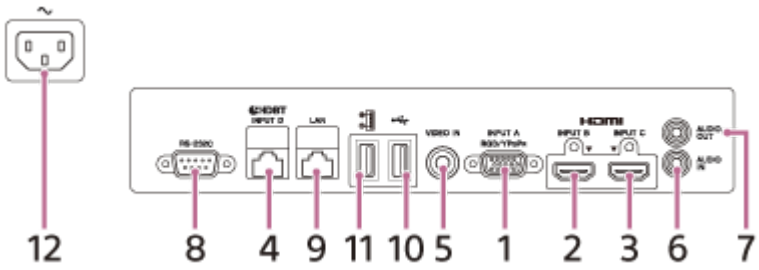
部件和控制（连接端子）



1. **输入A（INPUT A）**
   视频：RGB/Y PB PR输入端子（RGB/Y PB PR）
2. **输入B（INPUT B）**
   视频：HDMI输入端子（HDMI）
   音频：HDMI输入端子（HDMI）
3. **输入B（INPUT C）**
   视频：HDMI输入端子（HDMI）
   音频：HDMI输入端子（HDMI）
4. **输入D（INPUT D）**
   HDBaseT端子（HDBT）
5. **视频（VIDEO IN）**
   视频：视频输入端子
6. **音频（AUDIO IN）**
   音频：音频输入端子
7. **音频（AUDIO OUT）**
   音频：音频输出端子
8. **RS-232C端子（RS-232C）**
   符合RS-232C的控制端子。用RS-232C电缆（交叉线）连接RS-232C电脑端子。
9. **LAN端子**
10. **USB端子（A类）（ ⇠ ）**
    用于软件更新的端子
11. **USB端子（A类）**
    电源专用端子。可提供最大5 V/2 A的USB电源。
12. **AC IN插口（ ∼ ）**
    连接附带的交流电源线。

相关主题

- 用RGB输出端子连接电脑
- 用HDMI输出端子连接电脑
- 通过集线器或路由器连接电脑
- 用视频输出端子连接视频设备
- 用Y PB PR输出端子连接视频设备
- 用HDMI输出端子连接视频设备
- 连接音频设备
- 连接至HDBaseT™设备
- 为外部设备供电

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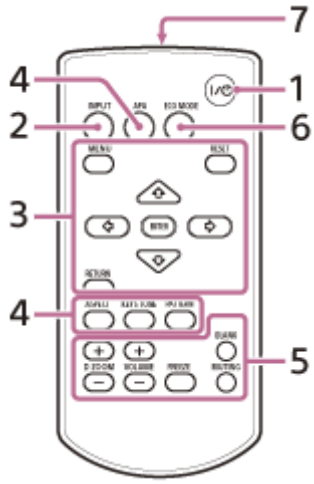
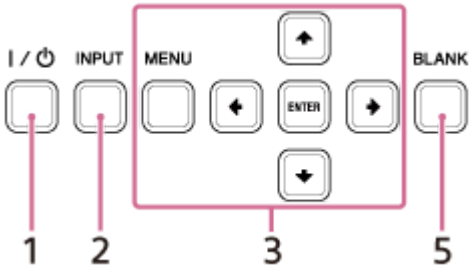
部件和控制（遥控器和控制面板）

遥控器



控制面板



1. **I / ⏻（开/待机）键**
   开启/待机。
2. **INPUT（输入选择）键**
   选择输入。
3. **MENU（菜单）键**
   RESET（重设）键
   ENTER（输入）/ ↑ / ↓ / ← / →（箭头）键
   RETURN（返回）键
   执行菜单操作等。
4. **ASPECT（纵横比）键**
   切换投影图像的纵横比。
   KEYSTONE（梯形校正）键/PATTERN（图案）键
   调整投影的图像。
   APA（自动像素调整）键
   当从RGB输入端子（输入A）正输入电脑信号时，调整输入信号以自动适应屏幕。
5. **D ZOOM（数字缩放）+/-键**
   放大或缩小投影图像的某一部分。正在输入电脑信号时可使用此项。但视输入信号分辨率而定，可能无法使用。
   BLANK（消除图像）键
   临时关闭投影的图像。再按一次松开。
   MUTING（静音）键
   输出声音时，临时将音频静音。再按一次松开。
   VOLUME（音量）+/-键
   调节音量。

FREEZE（冻结）键
临时冻结图像。再按一次松开。

6. **ECO MODE（Eco模式）键**
   允许设定为Eco模式。
7. **红外发射器**

遥控器操作

- 请把遥控器直接朝向遥控接收器。
- 遥控器和投影机之间的距离越短，遥控器可控制投影机的角度就越宽。
- 如果遥控器和投影机上的遥控接收器之间有障碍物，投影机可能无法接收到遥控器信号。

相关主题

- 打开/关闭电源
- 投影图像
- 使用数字缩放功能
- 使用Eco模式
- 导航菜单

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连接须知

- 进行任何连接前关闭所有设备。
- 每项连接请使用正确的电缆。
- 牢牢插入电缆插头。连接松动可能会降低图像信号质量或引起故障。在拔掉电缆时，必须握住插头，不可拉扯电缆本身。
- 有关详细信息，另请参阅待连接设备的使用说明书。
- 使用无电阻音频电缆。

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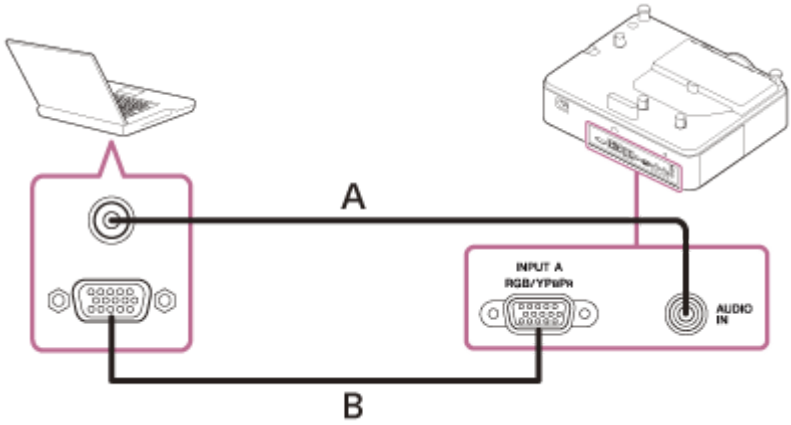
用RGB输出端子连接电脑

将INPUT A端子连接到电脑的RGB输出端子并将AUDIO IN端子连接到电脑的音频输出端子。



A：音频电缆（立体声迷你插头）（非附带）
B：迷你D-sub 15针电缆（附带）

提示

- 对于电脑的屏幕设定，建议将外接显示器的分辨率设定为1920 × 1200像素。

相关主题

- 部件和控制（连接端子）
- 连接须知

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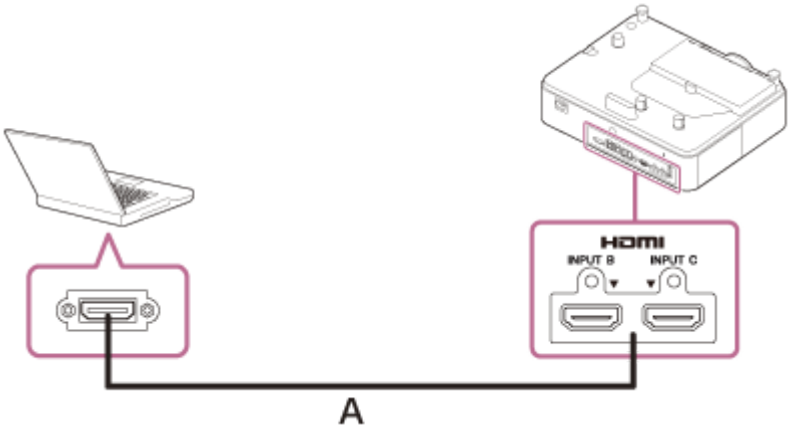
用HDMI输出端子连接电脑

将INPUT B端子或INPUT C端子连接到电脑的HDMI输出端子。



A：HDMI电缆（非附带）

注意

- 使用带HDMI标志的HDMI兼容设备。
- 请使用指定电缆类型标志的高速HDMI电缆。（建议Sony产品。）
- 本投影机的HDMI端子不兼容DSD（Direct Stream Digital）信号和CEC（Consumer Electronics Control）信号。

相关主题

- 部件和控制（连接端子）
- 连接须知

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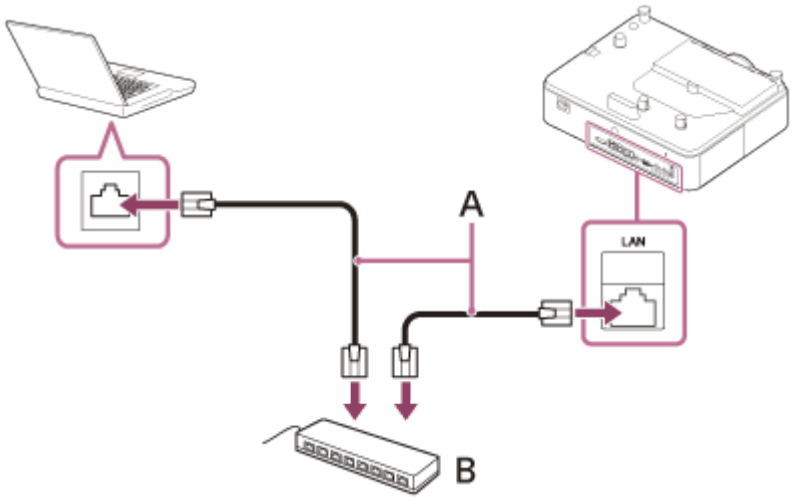
通过集线器或路由器连接电脑

通过集线器或路由器连接LAN端子和电脑LAN端子。



A：LAN电缆（直连）（非附带）
B：集线器或路由器等

注意

- 通过LAN端子使用网络功能时，请务必确认[LAN设置]是否设定为[LAN端口]。
- 将投影机连接到为控制互联网访问而构建的网络，例如LAN。如果投影机直接连接到互联网，则会增加安全风险。
- **联网监控投影机时，将用网络浏览器显示投影机的控制窗口，并启用需要的控制协议。**

相关主题

- 部件和控制（连接端子）
- 连接须知
- 菜单操作：HDBaseT设置
- 设定Advertisement
- 设定PJ Link
- 设定PJ Talk
- 设定ADCP

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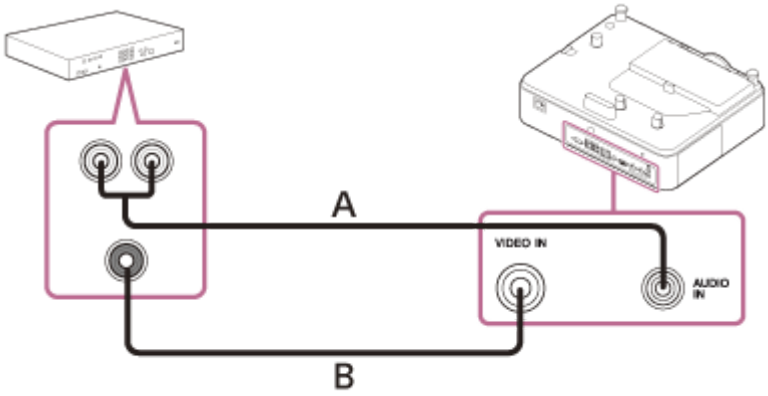
用视频输出端子连接视频设备

将VIDEO IN端子连接到视频设备的视频输出端子，并将AUDIO IN端子连接到视频设备的音频输出端子。



A：音频电缆（针脚插头x 2 -立体声迷你插头）（非附带）
B：视频电缆（非附带）

相关主题

- 部件和控制（连接端子）
- 连接须知

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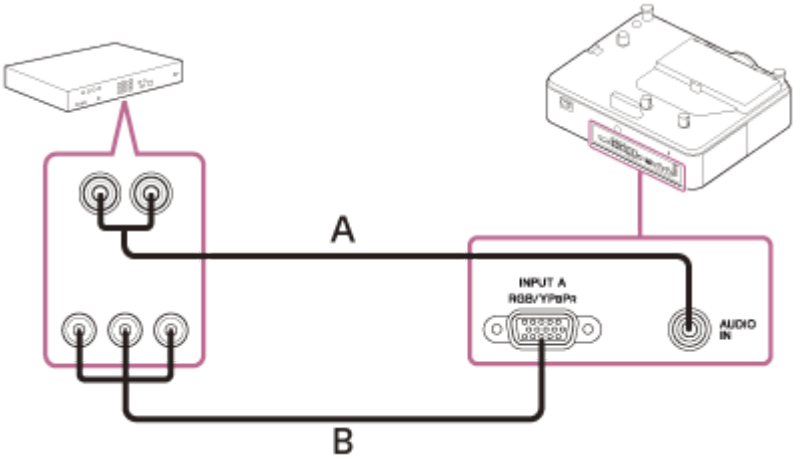
用Y PB PR输出端子连接视频设备

将INPUT A端子连接到视频设备的Y PB PR输出端子，并将AUDIO IN端子连接到视频设备的音频输出端子。



A：音频电缆（针脚插头x 2 -立体声迷你插头）（非附带）
B：分量-迷你D-sub 15针电缆（非附带）

相关主题

- 部件和控制（连接端子）
- 连接须知

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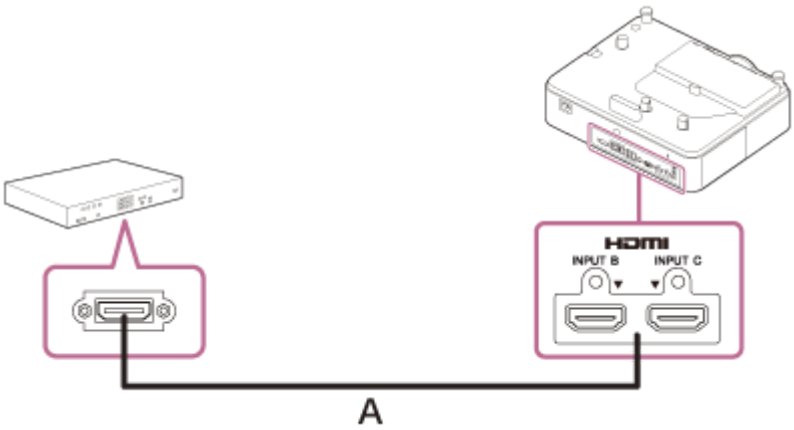
用HDMI输出端子连接视频设备

将INPUT B端子或INPUT C端子连接到视频设备的HDMI输出端子。



A：HDMI电缆（非附带）

注意

- 使用带HDMI标志的HDMI兼容设备。
- 请使用指定电缆类型标志的高速HDMI电缆。（建议Sony产品。）
- 本投影机的HDMI端子不兼容DSD（Direct Stream Digital）信号和CEC（Consumer Electronics Control）信号。

相关主题

- 部件和控制（连接端子）
- 连接须知

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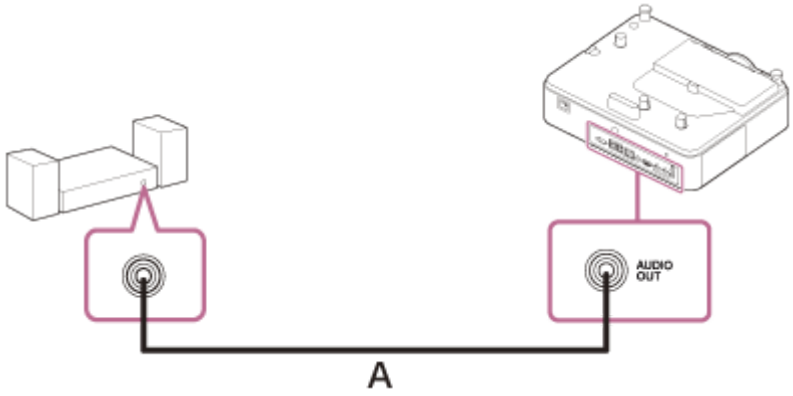
连接音频设备

通过内置放大器或其他设备连接扬声器的AUDIO OUT端子和音频输入端子，可通过音频设备输出馈送到投影机中的音频。当[扬声器设置]设定为[始终开]且灯熄灭时，输入A将激活。



A：音频电缆（立体声迷你插头）（非附带）

相关主题

- 部件和控制（连接端子）
- 连接须知
- 菜单操作：扬声器设置

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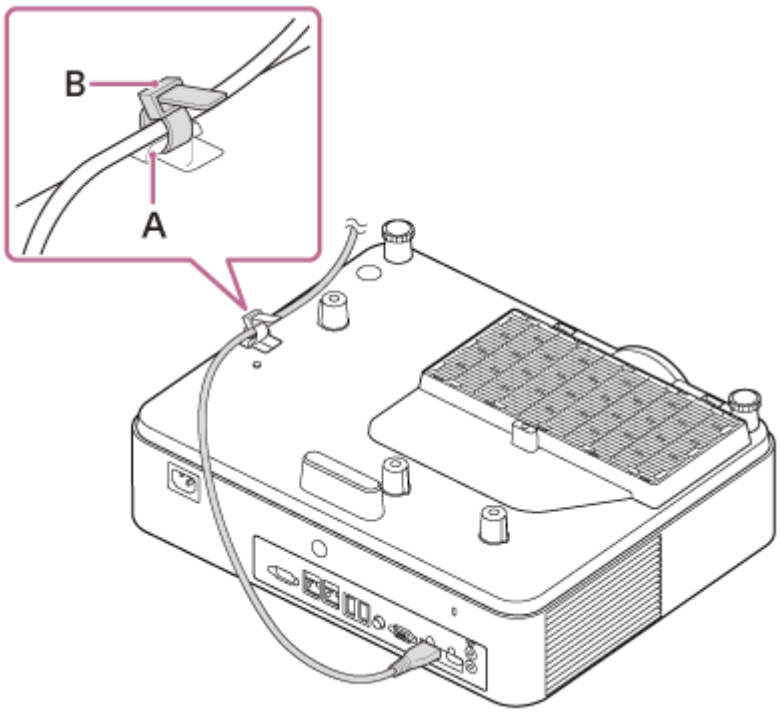
固定HDMI电缆到投影机

如果要将HDMI电缆固定到投影机，则将市售的电缆扎带或类似的物品（B）安装到底面的防盗杆（A）上，并如图所示进行固定。



相关主题

- 部件和控制（主机）

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VPL-P620HZ/P520HZ

连接至HDBaseT™设备

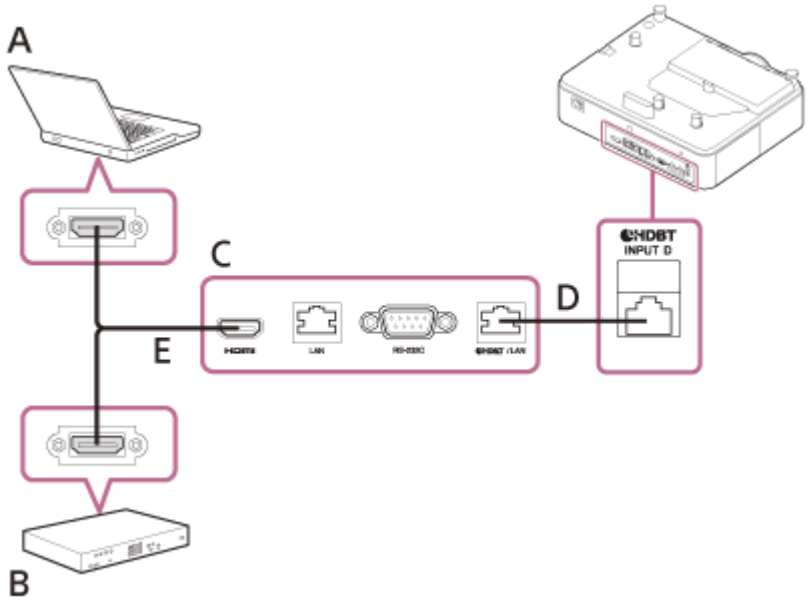
HDBaseT传输器用于将投影机连接到电脑、视频设备或网络设备。

注意

- 请专业或Sony经销商进行布线。如果布线不足，则会影响电缆的传输特性，并导致图像中断或不稳定。
- 将电缆直接连接到HDBaseT传输器，而不要经过集线器或路由器。
- 使用符合以下条件的电缆。
  - CAT5e或更高
  - 屏蔽型（覆盖接口）
  - 电线直连
  - 单线
- 安装电缆时，使用电缆测试仪、电缆分析仪或类似设备检查电缆是否符合CAT5e或更高要求。如果本机和HDBaseT传输器之间有传输接口，也一并测量。
- 为减少噪音影响，安装和使用电缆时，请勿使其卷曲并尽可能伸直。
- 安装电缆时远离其他电缆（特别是电源线）。
- 安装多条电缆时，请勿弯折并使平行距离尽可能短。
- 电缆的可传输距离最大为100 m。如果超过100 m，可能会导致图像断开，或造成LAN通信故障。请勿超出电缆最大可传输距离使用HDBaseT传输器。
- 对于由其他制造商的设备引起的操作或功能问题，请联系相应的制造商。

连接至电脑/视频设备

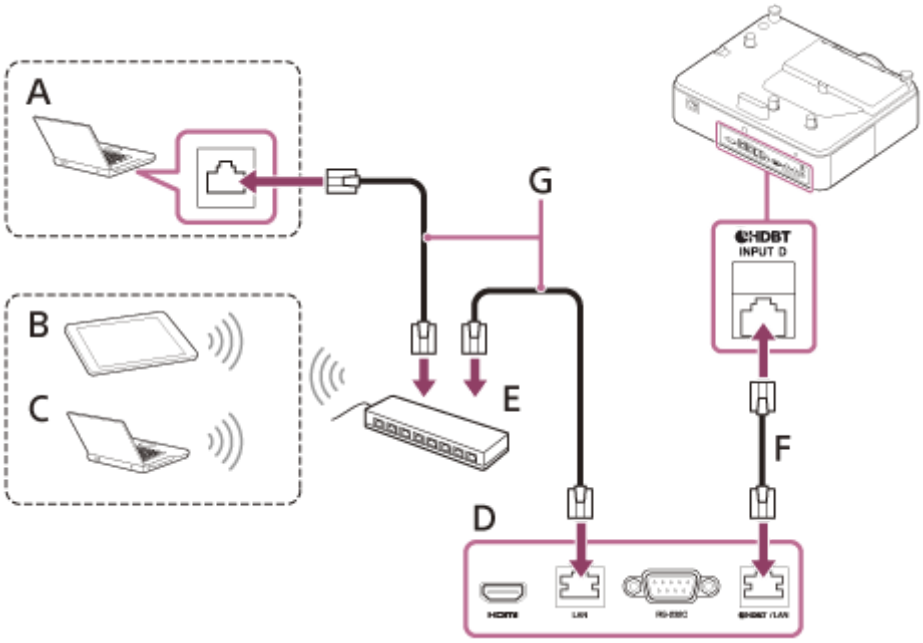
将HDBaseT端子连接到电脑或视频设备上的HDMI输出端子。



A：电脑
B：视频设备
C：HDBaseT传输器
D：LAN电缆：CAT5e或更高的STP电缆（直连型）（非附带）
E：HDMI电缆（非附带）

连接至网络设备（使用HDBaseT端子）

将投影机连接到网络设备时使用HDBaseT端子，以控制投影机。



A：电脑（有线连接）
B：平板电脑/智能手机
C：电脑（无线连接）
D：HDBaseT传输器
E：集线器、无线路由器
F：LAN电缆：CAT5e或更高的STP电缆（直连型）（非附带）
G：LAN电缆（直连型）（非附带）

注意

- 使用网络功能时，确保[HDBaseT设置]下的[LAN设置]设定为[通过HDBaseT]。
- 将投影机直接连接到HDBaseT传输器，而不要经过集线器或路由器。
- 连接到Extron Electronics生产的XTP Systems时，需要将[HDBaseT设置]下的[Extron XTP]设置为[开]。
- 联网监控投影机时，将用网络浏览器访问投影机的控制窗口，并启用需要的控制协议。

相关主题

- 部件和控制（连接端子）
- 连接须知
- 菜单操作：HDBaseT设置
- 使用网络功能

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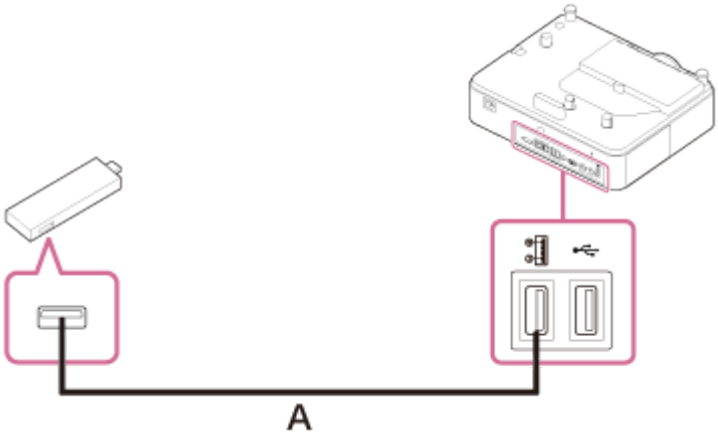
为外部设备供电

本机通过USB电缆向外部设备供电（最大5 V/2 A）。
将USB端子（仅用于电源）连接到外部设备。



A：USB电缆（A类）（非附带）

注意

- 请使用具有适合本机规格的外部设备。
- 如果以错误的方式连接本机，可能会导致外部设备出现故障。在这种情况下，Sony不承担任何责任。
- 如果待机模式为[低位]，则在待机模式下将无法再供电。
- 连接设备的功耗不能超出可共享电源 (5 V/2 A) 。

相关主题

- 部件和控制（连接端子）
- 连接须知

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数据投影机
VPL-P620HZ/P520HZ

打开/关闭电源

1 **将交流电源线插入墙上电源插座。**

2 **打开投影机。**

按主机或遥控器上的 | / ⏻ （开/待机）键。

关闭电源

1. 按主机或遥控器上的 | / ⏻ （开/待机）键。
   投影机开始关机并关闭电源。
   为了长期使用，不用时关闭投影机。
2. 拔掉电源插座中的交流电源线。

相关主题

- 部件和控制（主机）
- 部件和控制（遥控器和控制面板）

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投影图像

投影图像的大小可根据投影机到银幕的距离（投影距离）变化。安装投影机使其符合银幕大小。

1. **按 / （开/待机）键，令投影机开机。**

2. **打开连接的设备。**

3. **选择输入源。**

   按主机或遥控器上的INPUT键显示输入选择窗口。反复按INPUT键或 / （上/下）键选择要投影的图像。

4. **将电脑画面输出目的地更改为外部显示器。**

   输出目的地的更改方式因电脑而异。
   例如）

5. **调整投影图像的聚焦、画面大小和画面位置。**

相关主题

- 投影距离
- 镜头移位范围
- 调整屏幕聚焦
- 调整画面大小
- 调整画面位置

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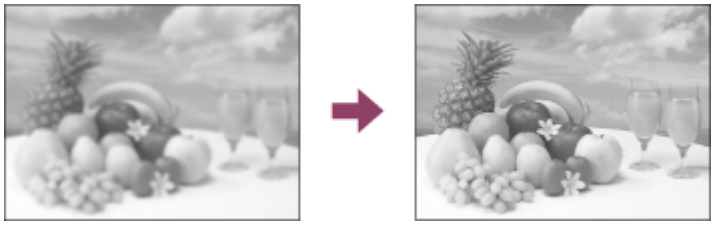
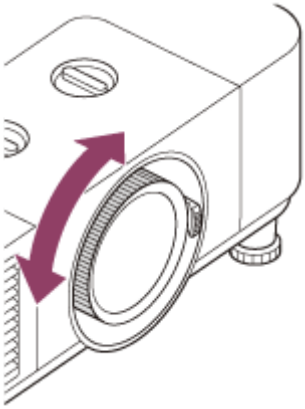
调整屏幕聚焦



转动对焦环调整聚焦。



相关主题

- 部件和控制（主机）

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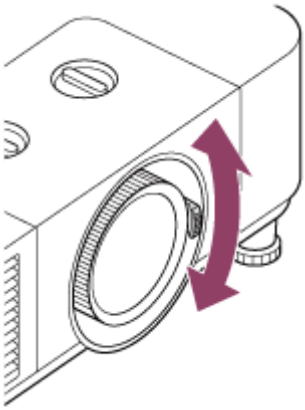
调整画面大小

转动变焦杆调整尺寸。



相关主题

- 部件和控制（主机）

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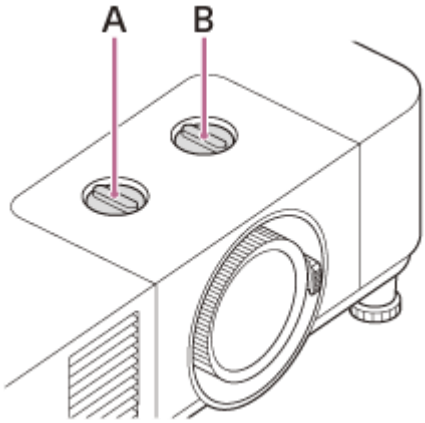
调整画面位置

使用镜头移位调节投影机的倾斜度

转动横向镜头移位拨盘水平调节镜头，或转动纵向镜头移位拨盘垂直调节镜头。



A： 横向镜头移位拨盘
B： 纵向镜头移位拨盘

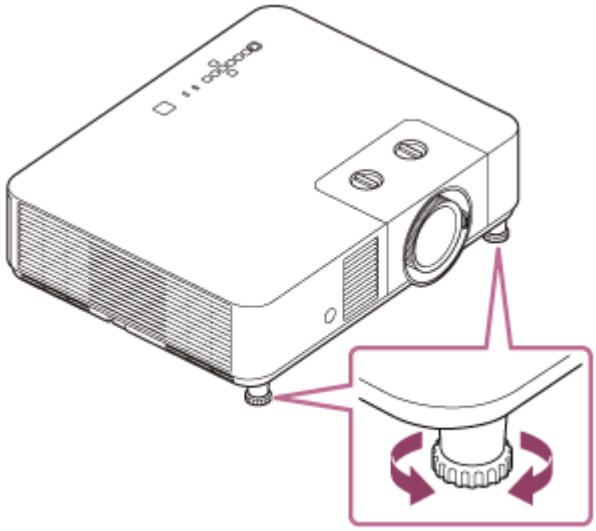
如果一直转动镜头移位拨盘，拨盘将在某个点就很难再转动了。在这种情况下，向相反的方向转动镜头移位拨盘，找到最佳位置。有关调整范围的详细信息，请参阅“镜头移位范围”。

注意

- 在调整镜头移位的时候，注意不要看向镜头。
- 当转动横向镜头移位拨盘时，镜头移位可能会向上或向下移动。（当转动纵向镜头移位拨盘时，镜头移位可能会向右或向左移动）。在这种情况下，请用各拨盘再次调整镜头移位。

用前撑脚（可调整）调节投影机的倾斜度

用前撑脚（可调整）更改投影机角度，可调整投影画面的位置。



注意

- 调整前撑脚（可调整）时，切勿夹住手指。
- 请勿在前撑脚（可调整）伸出的状态下用力按压投影机。这可能造成故障。

相关主题

- 部件和控制（主机）
- 镜头移位范围

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更改屏幕纵横比

按遥控器上的ASPECT键将切换投影屏幕的纵横比。

提示

- 可以从 [屏幕设定]菜单中的[纵横比]处设定屏幕纵横比。

相关主题

- 部件和控制（遥控器和控制面板）
- 菜单操作：纵横比

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校正垂直梯形失真

如果画面呈现为梯形，则执行梯形失真校正。

1 请按一次遥控器上的KEYSTONE键。

将显示调整菜单。
也可以从 [安装设定]菜单中的[垂直梯形失真校正]中显示调整菜单。

2 用 / / / （上/下/左/右）键调整值。

A：朝正方向增加数值将缩小银幕上边的宽度。
B：朝负方向增加数值将缩小银幕下边的宽度。

按RESET键恢复为未校正的状态。

注意

- 因为梯形失真校正是电子形式的校正，所以图像质量可能会有所降低。
- 如果同时执行垂直校正（V垂直梯形失真校正）和水平调整（H梯形失真校正），每个调整菜单的值可能达不到最大。

相关主题

- 部件和控制（遥控器和控制面板）
- 菜单操作：垂直梯形失真校正

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校正水平梯形失真

如果画面呈现为梯形，则执行梯形失真校正。

1 请按两次遥控器上的KEYSTONE键。

将显示调整菜单。
也可以从 [安装设定]菜单中的[水平梯形失真校正]中显示调整菜单。

2 用 / / / （上/下/左/右）键调整值。

A：朝负方向增加数值将缩小银幕左边。
B：朝正方向增加数值将缩小银幕右边。

按RESET键恢复为未校正的状态。

注意

- 因为梯形失真校正是电子形式的校正，所以图像质量可能会有所降低。
- 如果同时执行垂直校正（V垂直梯形失真校正）和水平调整（H梯形失真校正），每个调整菜单的值可能达不到最大。

相关主题

- 部件和控制（遥控器和控制面板）
- 菜单操作：水平梯形失真校正

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VPL-P620HZ/P520HZ

校正画面失真

可使用角梯形失真校正功能来校正图像失真。

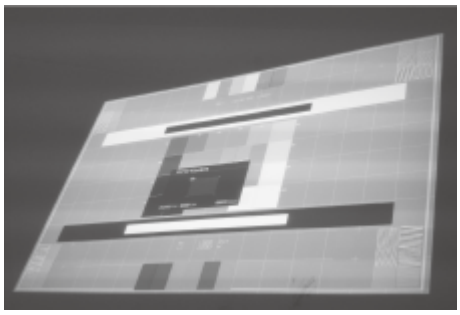
1 请按三次遥控器上的KEYSTONE键。

将显示向导。
也可以从 [安装设定]菜单中的[四角梯形失真校正] - [调整]中显示向导菜单。

2 用 / / / （上/下/左/右）键选择想要校正的角。

3 按ENTER键。

选中的角将变成光标显示（ ）。



光标显示示例：

可调整所有方向

只能水平或向下调整。

4 **用 ↑ / ↓ / ← / → （上/下/左/右）键调整角位置。**

当失真调节达到极限时，光标将消失。

按RESET键恢复为未校正的状态。

相关主题

- 部件和控制（遥控器和控制面板）
- 菜单操作：四角梯形失真校正

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VPL-P620HZ/P520HZ

显示图案

按遥控器上的PATTERN键，允许您在投影画面上显示规则的线条图、格子图或调整图。每次按PATTERN键，将切换要显示的图案。
连续按PATTERN键将返回原始画面。

提示

- 在不用电脑而用白板或黑板写字绘图时，规则的线条图和格子图可用作辅助线。
- 规则的线条图和格子图有两种颜色的线条，您可根据投影画面的色彩选用更便于观看的线条。

相关主题

- 部件和控制（遥控器和控制面板）

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VPL-P620HZ/P520HZ

使用自动调整功能

从RGB输入端子（输入A）馈送电脑信号时，按遥控器上的APA（自动像素调整）键允许自动调整投影画面相位、位距和移位。

调整期间再按一次APA键将取消调整。

提示

- 还可以从 [屏幕设定]菜单中的[调整信号]执行APA。
- 从RGB输入端子（输入A）馈送电脑信号时，在 [功能设定]菜单的[智能APA]中选择[开]将会自动执行APA。

相关主题

- 部件和控制（遥控器和控制面板）
- 菜单操作：调整信号
- 菜单操作：智能APA

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VPL-P620HZ/P520HZ

使用智能设定功能

只需选择与投影机使用环境相符的场所，就能优化图像质量设定、光线设定和系统冷却（风扇速度）。[智能设置]有助于投影机长时间保持稳定工作。

1. **按MENU键显示菜单画面。**

2. **将 [投影设置]菜单中的[智能设置]设定为[开]，然后按 （右）键。**

3. **选择使用投影机的场所。**

[会议室/教室]

优化文本和图像质量，使其显示更清晰。这适用于会议室和教室。

[博物馆]

优化色彩质量，准确地重现色彩。这适用于画廊和博物馆等安静的场所。

[娱乐设施]

优化图像质量以取得平衡。这适用于主题公园、公共娱乐设施、展厅会议室等场所。

4. **选择[应用]并按ENTER键。**

相关主题

- 菜单操作：智能设置

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使用数字缩放功能

放大一部分投影图像。正在输入电脑信号时可使用此项。但此项可能因输入信号的分辨率而不可用。

1. **按D ZOOM +键在投影画面上显示数字缩放图标。**
2. **用 ↑ / ↓ / ← / → （上/下/左/右）键调整图像位置。**
3. **按D ZOOM +键放大图像。**
4. **反复按D ZOOM +键或D ZOOM -键更改放大率。**

   放大率可从1x更改为4x。
   当选择1x时，无法调整图像位置。

要返回原始的图像，请按RESET键。

相关主题

- 部件和控制（遥控器和控制面板）

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使用Eco模式

Eco模式设定的[无输入]和[有静态信号]易于使用。

注意

- 如果[ECO模式]设定为[ECO]或如果[用户]的[待机模式]设定为[低位]，则在待机模式中不再能使用网络控制功能。如果通过网络和网络控制功能等执行外部控制，则不会选择[ECO]或不会将[用户]的[待机模式]设定为[低位]。

1 按ECO MODE键显示[ECO模式]菜单。

2 按 ▲ / ▼（上/下）键或ECO MODE键，然后选择[ECO]或[用户]模式。

- [ECO]：将每项设定为节能最多的值。
  - 无输入：[待机]
  - 有静态信号：[灯光变暗]
- [用户]：手动配置Eco模式设定。

3 按RETURN键返回到前一个画面。

相关主题

- 部件和控制（遥控器和控制面板）
- 菜单操作：ECO

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导航菜单

可从菜单画面执行各种投影机调整和设定。选择名称后带箭头（▶）的一项将显示下一层级中设定的几个菜单项。

注意

- 此处说明使用的图像仅供参考。请注意显示的菜单项可能因正使用的设备而异。

1 按MENU键。

将显示菜单画面。

2 按 ↑/↓（上/下）键选择菜单，然后按 → （右）键或ENTER键。

3 按 ↑/↓（上/下）键选择一项，然后按 → （右）键或ENTER键。

要返回配置菜单选择，请按 ← （左）键或RETURN键。

4 配置和调整各项。

每一项的配置方法各有不同。
如果显示下一层级，选择按照步骤3中想要配置的菜单项，然后按ENTER键确认配置。
要返回配置项目选择，请按 ← （左）键或RETURN键。若要将某一项的设定值重设为出厂预设值，请在设定或调节过程中按RESET键。

使用弹出菜单

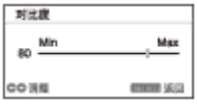
用 ↑/↓/←/→ （上/下/左/右）键选择菜单项。
按ENTER键确认设定并返回到前一个画面。

使用设定菜单

用 ▲ / ▼ （上/下）键选择菜单项。
按ENTER键确认设定并返回到前一个画面。

使用调整菜单

若想增加值，则按 ▲ （上）或 ▶ （右）键。
若想减小值，则按 ▼ （下）或 ◀ （左）键。
按ENTER键确认设定并返回到前一个画面。



5 **按MENU键退出菜单画面。**

如果某一段时间未执行任何操作，菜单画面将自动消失。

相关主题

- 部件和控制（遥控器和控制面板）

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VPL-P620HZ/P520HZ

菜单操作：智能设置

将[智能设置]设定为[开]允许您只选择与投影机使用环境相符的场所，就能优化图像质量设定、光线设定和系统冷却（风扇速度）。此设定有助于投影机长时间保持稳定工作。

1. **按MENU键。**
2. **选择 [投影设置] - [智能设置] - [开]或[关]。**
3. **如果选定[开]，则选择希望在[位置]中配置的项目。**

设定

[会议室/教室]
优化文本和图像质量，使其显示更清晰。这适用于会议室和教室。
[博物馆]
优化色彩质量，准确地重现色彩。这适用于画廊和博物馆等安静的场所。
[娱乐设施]
优化图像质量以取得平衡。这适用于主题公园、公共娱乐设施、展厅会议室等场所。

注意

- 如果[智能设置]设为[开]，则无法配置 [投影设置]菜单中的[图像模式]。
- 如果使用环境与[位置]的选项不符，则选择与您所在环境特征最相符的场所。无法为每个输入端子配置[位置]。

相关主题

- 菜单操作：图像模式

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菜单操作：图像模式

配置图像质量。

1. **按MENU键。**
2. **选择 [投影设置] - [图像模式] - 想要的设定。**

设定

[动态]
设定图像质量，在明暗度之间取得平衡。
[标准]
设定图像质量，以达到平滑和自然的色调。
[亮度优先]
使图像呈现适合演示的明亮度。

注意

- 如果 [投影设置]菜单中的[智能设置]设定为[开]，则无法配置[图像模式]。

相关主题

- 菜单操作：智能设置

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菜单操作：重设

图像质量设定恢复为默认值。

1. **按MENU键。**
2. **选择 [投影设置] - [重设]。**

注意

- [投影设置]中的[智能设置]和[图像模式]值将不恢复默认值。

相关主题

- 菜单操作：智能设置
- 菜单操作：图像模式

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菜单操作：对比度

调整图像对比度。

1. **按MENU键。**

2. **选择 [投影设置] - [对比度] - 调整值。**

   设定值越高，对比度越大。设定值越低，对比度越小。

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菜单操作：亮度

调整图像亮度（光亮度）。

1. **按MENU键。**

2. **选择 [投影设置] - [亮度] - 调整值。**

   设定值越高，图像越亮。设定值越低，图像越暗。

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菜单操作：色彩

调节图像色彩强度。

1. **按MENU键。**

2. **选择 [投影设置] - [色彩] - 调整值。**

   设定值越高，浓度越高。设定值越低，浓度越低。

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菜单操作：色调

调节图像色调。

1. **按MENU键。**

2. **选择 [投影设置] - [色调] - 调整值。**

   设定值越高，图像越偏绿色。设定值越低，图像越偏红色。

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菜单操作：色温

调节图像色温。

1. **按MENU键。**
2. **选择 [投影设置] - [色温] - 想要的设定。**

设定

[9300K]/[7500K]/[6500K]
温度越高，图像色调越蓝；温度越低，色调越红。
[亮度优先]
允许最亮的投影图像。

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菜单操作：锐度

调整图像的轮廓。

1. **按MENU键。**

2. **选择 [投影设置] - [锐度] - 调整值。**

   设定值越高，图像越锐利。设定值越低，图像越柔和。

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菜单操作：光线设定

调整激光亮度。

1. **按MENU键。**
2. **选择 [投影设置] - [光线设定] - 想要的设定。**

设定

[动态控制]
[开]/[关]：如果设定为[开]，则按照输入图像自动调整亮度。对于较暗的图像，为正投影的图像调整亮度，这有助于节能。相反，对于明亮的图像，不调整图像亮度，让图像保持明亮。
[光源输出模式]
调整光源亮度。

- [标准]：图像变亮，能耗增加。
- [经济]：能耗降低，但图像变暗。
- [延长]：图像变暗，但可以长时间投影。
- [特制]：可以根据喜好调节亮度。

注意

- 如果 [投影设置]菜单中的[智能设置]为[开]，则无法配置[动态控制]。

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菜单操作：专业设置

设定与使用场所和图像来源相符的图像质量。

1. **按MENU键。**
2. **选择 [投影设置] - [专业设置] - 想要的设定。**

设定

[真实创作]
调节图像的细节和杂讯处理。（超分辨率功能）

- [开]：调整[真实创作]的设定。
  - [分辨率]：当增加设定值时，图像的纹理和细节变得更清晰。
  - [测试: 开/关]：以一定频率切换[开]和[关]，以检查[真实创作]的效果。测试期间状态的显示位置与[菜单位置]设定配合作用。
- [关]：不应用[真实创作]功能。

注意

- 视输入信号而定，图像噪点可能会更加明显。在这种情况下，使用前请调整[真实创作]的设定。

[高亮屏]
创建适合在明亮场所中投影的明亮锐利的图像，保持色彩平衡。

- [高位]/[中位]/[低位]：可以调整[高亮屏]。
- [关]：不应用[高亮屏]功能。

[迦玛模式]

- [2.2]：这是使半色调更亮的迦玛校正。这适合在明亮的场所内投影照片和充满活力的图像。
- [2.4]：这是忠实重现半色调的迦玛校正。这将用自然的色调投影照片和其他充满活力的图像。
- [迦玛 3]：这是强调图像明亮部分的迦玛校正。创建平衡的图像。
- [DICOM GSDF Sim.]：伽玛设定符合医学数字成像与通讯（DICOM）标准中的灰色标准显示功能（GSDF）。本投影仪不能用作医疗诊断设备。

[彩色空间]
转换彩色空间。

- [特制 1]：生成色彩生动的图像。
- [特制 2]：生成色彩柔和的图像。
- [特制 3]：再现忠实于原始图像源的图像色彩。
  - [色彩选择]：从[红]、[绿]和[蓝]中选择要调节的色彩。
    - [青 - 红(x)]：向青-红（x）侧调节所选色彩的色度点。
    - [品红 - 绿(y)]：向品红-绿（y）侧调节所选色彩的色度点。

可以选择所选彩色空间的R/G/B并分别在CIExy色度图的x和y方向调节R/G/B色度点。

相关主题

- 菜单操作：菜单位置

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菜单操作：纵横比

设定将为每个输入信号投影哪些纵横比的图像。

1. **按MENU键。**
2. **选择 [屏幕设定] - [纵横比] - 您希望配置的项目。**

设定

- 电脑信号输入
  - [全屏幕 1]：保持纵横比并投影到整个银幕上。
  - [全屏幕 2]：投影到整个银幕上。
  - [全屏幕 3]：保持纵横比，并以不高于1920 × 1080的分辨率垂直或水平全屏幕投影。
  - [标准]：不经放大处理按初始分辨率投影到银幕的中心。
- 视频信号输入
  - [4:3]：纵横比固定为4:3并投影到整个银幕上。
  - [16:9]：纵横比固定为16:9并投影到整个银幕上。
  - [全屏幕]：投影到整个银幕上。
  - [放大]：放大并投影图像的中心。

注意

- 请注意，为了商业用途或在咖啡馆、酒店等公共场所观看，用纵横比功能分割、缩小和拉伸显示这些图像，可能会侵犯受版权法保护的作者版权。
- 视输入而定，[纵横比]或某些设定中的项目可能无法配置。此外，即使设定了不同的纵横比，图像也可能仍然相同。
- 视选定的项目而定，银幕的某些部分可能显示为黑色。

相关主题

- 纵横比

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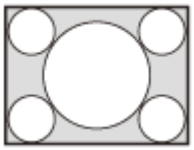
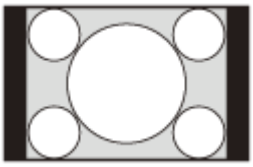
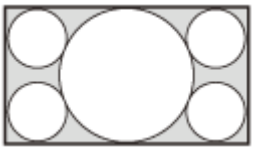
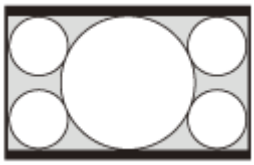
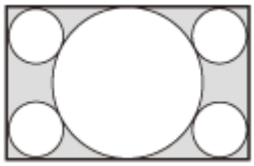
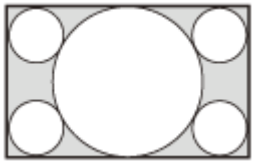
纵横比

电脑信号

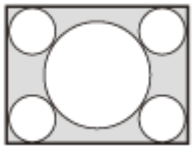
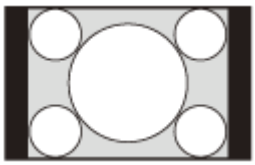
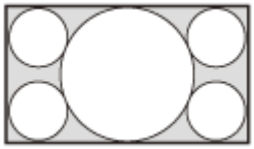
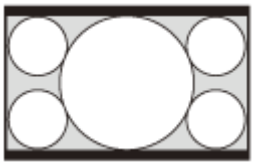
输入信号	使用建议的设定值投影的图像
4:3 	[全屏幕 1] *1 *2 *3 
16:9 	[全屏幕 1] *1 *2 *3 
16:10 	[全屏幕 1] *3 

*1　选择[标准]将不经放大处理用原始的图像信号分辨率投影图像。

*2　选择[全屏幕 2]用忽略的纵横比将图像投影到整个银幕上。

*3　为16:9信号调整银幕显示位置时，输入4:3信号可能使图像纵向不适合银幕。如果出现这种情况，则选择[全屏幕 3]。

视频信号

输入信号	使用建议的设定值投影的图像
4:3 	[4:3] *1 *2 
16:9 	[16:9] 

*1　视输入信号而定，图像可能按以下方式显示。在此情况下，选择[16:9]。

*2　视输入信号而定，图像可能按以下方式显示。在此情况下，选择[放大]。

相关主题

- 菜单操作：纵横比

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菜单操作：调整信号

调节电脑信号输入的投影图像。切掉画面的边缘或图像质量不佳时进行调节。

1. **按MENU键。**
2. **选择 [屏幕设定] - [调整信号] - 想要的设定。**

设定

[APA]
按ENTER键将自动将画面修为最优状态。从RGB输入端子（输入A）提供电脑输入信号时可选择此项。
[相位]
调节输入信号并显示像素相位。将其设定为产生最清晰图像的数值。从RGB输入端子（输入A）提供电脑输入信号时可选择此项。
[位距]
增加值将使得显示像素的水平宽度（位距）变大，减小值将使得宽度变小。从RGB输入端子（输入A）提供电脑输入信号时可选择此项。
[移位]

- [H]：增加值将使画面向右移，减小值将使其向左移。
- [V]：增加值将使画面向上移，减小值将使其向下移。

从输入端子RGB/Y PB PR（输入A）提供信号时可选择此项。

注意

- 投影的图像周围出现较大的黑色区域时，[APA]可能无法正常工作，且可能不显示部分图像。此外根据不同的输入，图像可能未优化。如果出现这种情况，则手动配置[相位]、[位距]和[移位]。
- 如果执行 [功能设定]菜单中的[APA]或[智能APA]，则为[位距]调整的值将恢复其出厂设定。如果希望继续使用调整的值，则将 [功能设定]菜单中的[智能APA]设定为[关]。

相关主题

- 菜单操作：智能APA

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菜单操作：音量

调节音量。

1. **按MENU键。**
2. **选择 [功能设定] - [音量] - 调整值。**

   增加值将提高音量，减小值将降低音量。

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菜单操作：扬声器

设定是否从投影机扬声器输出声音。

1. **按MENU键。**

2. **选择 [功能设定] - [扬声器] - [开]或[关]。**

   选择[开]使投影机从扬声器输出声音。如果不想从扬声器输出声音，则选择[关]。

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菜单操作：扬声器设置

设定投影机灯熄灭时是否可使用投影机扬声器。当[扬声器设置]设定为[始终开]且灯熄灭时，输入A将激活。

1. **按MENU键。**
2. **选择 [功能设定] - [扬声器设置] - [电源同步]或[始终开]。**

   选择[始终开]后即使灯熄灭也能使用投影机扬声器。

注意

- 为[扬声器设置]选择[始终开]，也会将[待机模式]设定为[标准]。

相关主题

- 使用Eco模式

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菜单操作：智能APA

从RGB输入端子（输入A）提供电脑信号时，自动激活APA，并将银幕调整为最优状态。

1. **按MENU键。**
2. **选择 [功能设定] - [智能APA] - [开]或[关]。**

   选择[开]允许在提供电脑信号时自动激活APA。

相关主题

- 菜单操作：调整信号

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菜单操作：CC 显示

此操作控制隐藏字幕（CC）设定。

1. **按MENU键。**
2. **选择 [功能设定] - [CC 显示] - 想要的设定。**

设定

[CC1]/[CC2]/[CC3]/[CC4]/[Text1]/[Text2]/[Text3]/[Text4]
选择显示的隐藏字幕（CC）服务（字幕或文本信息）。
[关]
不显示隐藏字幕（CC）。

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菜单操作：背景

设定无输入信号时的背景。

1. **按MENU键。**

2. **选择 [功能设定] - [背景] - [蓝]、[黑]或[图像]。**

   设定为[图像]时，显示起始影像。

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菜单操作：起始影像

设定启动时是否显示启动图像。

1. **按MENU键。**
2. **选择 [功能设定] - [起始影像] - [开]或[关]。**

   选择[开]将在启动时显示启动图像。

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菜单操作：全部重设

所有设定被初始化为出厂预设值。

1. **按MENU键。**
2. **选择 [功能设定] - [全部重设]。**

   显示[想要将设定重设为默认值吗？]信息时，选择[是]。

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菜单操作：语言

设定菜单、信息等中使用的语言。

1. **按MENU键。**
2. **选择 [操作设定] - [语言] - 想要的语言。**

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菜单操作：菜单位置

选择显示在投影图像上的菜单位置。

1. **按MENU键。**
2. **选择 [操作设定] - [菜单位置] - [左下]或[中]。**

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菜单操作：状态

设定是否显示菜单、信息等。

1. **按MENU键。**
2. **选择 [操作设定] - [状态] - [开]或[关]。**

设定

[开]
所有画面显示将被激活。
[关]
将不显示菜单项、警告信息、通知等之外的所有画面。

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菜单操作：红外线接收器

选择位于投影机前后的遥控接收器（红外线接收器）。

1. **按MENU键。**
2. **选择 [操作设定] - [红外线接收器] - [前&后]、[前]或[后]。**

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菜单操作：安全锁

允许您设定密码并限制用户。

1. **按MENU键。**
2. **选择 [操作设定] - [安全锁] - [开]并按ENTER键。**
3. **输入设定的密码。**

关闭安全锁

选择[关]允许您关闭安全锁。这也需要输入密码。

注意

- 如果连续三次输错密码，则不允许进一步的操作。这种情况下，按 I/⏻（开/待机）键将投影机待机，然后再次打开投影机。
- 如果您忘记密码，将不能使用投影机，因此请谨慎操作。如果您联络Sony公司专业技术人员，可以获知密码。这将需要投影机的序列号并确认客户信息。（确认方法将因国家/地区而异。）

相关主题

- 菜单操作：设定密码

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菜单操作：控制键锁定

允许通过控制面板取消激活的操作。

1. **按MENU键。**
2. **选择 [操作设定] - [控制键锁定] - [开]或[关]。**
   选择[开]将通过控制面板取消激活操作。

操作锁定期间可能的操作

即使[控制键锁定]设为[开]，也能执行以下操作。

- **在待机模式中，按住 / （开/待机）键约10秒钟。**
  将打开电源。
- **要打开电源，按住MENU键约10秒钟。**
  [控制键锁定]将切换为[关]，控制面板将变得可操作。

相关主题

- 部件和控制（遥控器和控制面板）

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菜单操作：菜单设定锁定

锁定菜单设定。

1. **按MENU键。**
2. **选择 [操作设定] - [菜单设定锁定] - 想要的设定。**

设定

[全屏幕]
锁定所有菜单设定。
[起动]
投影机开机后锁定设定。正在使用投影机时可更改设定，但一旦关闭电源，将恢复最初锁定的设定。
[更新]
当已选择[起动]时选择[更新]将保存更改的设定，并使这些设定保持不变。

注意

- 当执行[菜单设定锁定]操作时，必须输入密码。在 [操作设定]菜单的[设定密码]中，设定密码。

相关主题

- 菜单操作：设定密码

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菜单操作：设定密码

为[安全锁]和[菜单设定锁定]操作设定密码。

1. **按MENU键。**
2. **选择 [操作设定] - [设定密码]。**
3. **使用MENU、 / / / （上/下/左/右）和ENTER键输入密码。**
   默认的出厂设定密码为“ENTER、ENTER、ENTER、ENTER”。
4. **使用MENU、 / / / （上/下/左/右）和ENTER键输入新的密码。**
5. **再次输入并确认新的密码。**

相关主题

- 菜单操作：安全锁
- 菜单操作：菜单设定锁定

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菜单操作：网络设定

设定网络IP地址。

1. **按MENU键。**
2. **选择 [连接/电源设定] - [网络设定] - [IP地址设置] - 想要的设定。**

设定

[自动(DHCP)]
通过路由器或另一台设备的DHCP服务器功能自动分配网络设定。
[手动]
手动配置网络。

注意

- 当手动设定IP地址时，请将IP地址设定改为[手动]后输入IP地址。

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菜单操作：通信模式

配置通信模式。

1. **按MENU键。**
2. **选择 [连接/电源设定] - [网络设定] - [通信模式] - 想要的设定。**

设定

[http]
仅用http进行通信。
[http and https]
同时用http和https进行通信。
[https]
仅用https进行通信。

相关主题

- 配置https通信

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菜单操作：HDBaseT设置

配置HDBaseT设备的连接。

1. **按MENU键。**
2. **选择 [连接/电源设定] - [网络设定] - [HDBaseT设置] - 想要的设定。**

设定

[LAN设置]
[通过HDBaseT]/[LAN端口]：可以选择通过连接到HDBaseT端子的HDBaseT设备的LAN，或通过主机LAN端子的网络连接。
[RS-232C设置]

- [通过HDBaseT]：可以通过HDBaseT传输器将本机连接到RS-232C端子。（波特率：9600 bps）
- [RS-232C]：直接连接到本机的RS-232C端子时使用。（波特率：38400 bps）

[Extron XTP]
[开]/[关]：将本机的HDBaseT端子连接到Extron Electronics生产的XTP系统时，设置为[开]。连接到其他设备时设置为[关]。

注意

- 当通过HDBaseT连接时，只有100BASE-TX可用于连接。当使用主机的LAN端子时，可以通过10BASE-T/100BASE-TX/1000BASE-T连接。
- 应分别设定使用HDBaseT时和使用LAN端子时的IP地址。
  - 设定通过HDBaseT使用LAN时的IP地址。
    将[HDBaseT设置]中的[LAN设置]设定为[通过HDBaseT]，然后设定[网络设定]中的IP地址。
  - 设定使用LAN端子时的IP地址。
    将[HDBaseT设置]中的[LAN设置]设定为[LAN端口]，然后设定[网络设定]中的IP地址。
- 有关XTP Systems的详细信息，请参阅Extron Electronics的产品目录或手册。

相关主题

- 连接至HDBaseT™设备

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菜单操作：动态范围

设定INPUT B/INPUT C端子的图像输入电平。

1. **按MENU键。**
2. **选择 [连接/电源设定] - [动态范围] - 想要的设定。**

设定

[自动]
自动识别图像输入电平。
[有限]
当图像输入电平处于16-235时进行设定。
[全屏幕]
当图像输入电平处于0-255时进行设定。

注意

- 如果HDMI连接设备的图像输出设定不正确，图像的明暗部分可能分别变得过亮或过暗。

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菜单操作：输入 A信号选择

设定选择输入A时的图像信号类型。

1. **按MENU键。**
2. **选择 [连接/电源设定] - [输入 A信号选择] - 想要的设定。**

设定

[自动]
自动选择选定输入A时的图像信号类型。
[电脑]/[视频信号输入GBR]/[分量]
将应用选定的图像信号类型。

注意

- 即使设定[自动]，也不能根据输入来优化图像。如果出现这种情形，将按照连接的设备进行手动配置。

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菜单操作：ECO

1. **按MENU键。**
2. **选择 [连接/电源设定] - [ECO] - [自动节电方式] - 想要的设定。**

设定

[无输入]
[灯光关闭]：如果约2分钟没有信号输入，则灯光自动熄灭，且耗电量下降。输入信号或操作某个键将再次开灯。关灯后，ON/STANDBY指示灯将变成橙色。
[待机]：如果约2分钟没有信号输入，投影机将自动转入待机模式。
[关]：禁用“无输入”设定功能。
[有静态信号]
[灯光变暗]：如果输入到投影机的图像还没有变化（约10秒钟），灯光模式设定将逐渐减少光源输出（减少约10% - 15%）。此外如果可选的设定时间段内（[5分钟]/[10分钟]/[15分钟]/[20分钟]/[演示]）未检测到输入信号有变化，则光源输出将自动减少至约5%。光源输出正减少时，将显示[灯光变暗]信息。如果选定[演示]，灯光将在约40秒钟后开始变暗。当检测到信号变化、遥控器操作或控制面板操作时，将恢复原始的亮度。
[关]：禁用“有静态信号”设定功能。

注意

- 如果不想在投影机没有输入信号时自动进入待机模式，则将[无输入]设定为[关]。
- 光源随时间逐渐减少，因此您可能不会注意到光源正减少。因此当输入信号变化且灯光恢复其原始亮度时，您可能会注意到光源减少。
- 光源输出减少量将因 [投影设置]菜单中的[光源输出模式]设定而异。

相关主题

- 菜单操作：光线设定

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菜单操作：待机模式

设定待机模式期间的耗电量。

1. **按MENU键。**
2. **选择 [连接/电源设定] - [ECO] - [待机模式] - [标准]或[低位]。**
   选择[标准]将提高待机模式期间的耗电量。

注意

- 如果待机模式设为[低位]，将不能在待机模式下使用网络和网络控制功能。

提示

- 即使[待机模式]设定为[低位]时发送专门的命令，将[遥控起动]设定为[开]也会令投影机开机。

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菜单操作：遥控起动

配置遥控起动。即使[待机模式]设定为[低位]时发送专门的命令，将[遥控起动]设定为[开]也会令投影机开机。

1. **按MENU键。**
2. **选择 [连接/电源设定] - [ECO] - [遥控起动] - [开]或[关]。**

   选择[开]将允许在联网环境中从电脑等设备向投影机供电。

注意

- 必须正确配置网络设定，并提前将投影机连接到网络。
- 使用遥控起动功能向投影机供电时，需要从电脑发送专门的命令。请向Sony公司专业技术人员咨询详细说明。
- 将[遥控起动]设定为[开]将提高待机模式期间的待机耗电量。

相关主题

- 菜单操作：网络设定

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菜单操作：直接电源开启

设定将交流电源线插入插座时电源设定为“开”或“待机”。

1. **按MENU键。**
2. **选择 [连接/电源设定] - [直接电源开启] - [开]或[关]。**

   当选择[开]时，将交流电源线插入插座时投影机开机且不会进入“待机模式”。

提示

- 关闭电源时，可以断开交流电源线而不进入“待机模式”，这与[直接电源开启]设定无关。

相关主题

- 打开/关闭电源

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菜单操作：屏幕调整

选择图像失真校正方法。

1. **按MENU键。**
2. **选择 [安装设定] - [屏幕调整] - [水平和垂直梯形失真校正]或[四角梯形失真校正]。**

   当想要使用梯形校正时选择[水平和垂直梯形失真校正]，当想要校正失真时选择[四角梯形失真校正]。

相关主题

- 菜单操作：垂直梯形失真校正
- 菜单操作：水平梯形失真校正
- 菜单操作：四角梯形失真校正

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菜单操作：垂直梯形失真校正

调节投影到垂直梯形银幕上的图像。
当为 [安装设定]菜单中的[屏幕调整]选择[水平和垂直梯形失真校正]时，显示此项。

1. **按MENU键。**
2. **选择 [安装设定] - [垂直梯形失真校正]。**
3. **用 / / / （上/下/左/右）键调整值。**
   朝正方向增加值将缩小银幕上边的宽度，朝负方向增加值将缩小银幕下边的宽度。

注意

- 因为梯形失真校正是电子形式的校正，所以图像质量可能会有所降低。

相关主题

- 校正垂直梯形失真
- 菜单操作：屏幕调整

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菜单操作：水平梯形失真校正

调节投影到水平梯形银幕上的图像。
当为 [安装设定]菜单中的[屏幕调整]选择[水平和垂直梯形失真校正]时，显示此项。

1. **按MENU键。**
2. **选择 [安装设定] - [水平梯形失真校正]。**
3. **用 / / / （上/下/左/右）键调整值。**
   朝正方向增加值将缩小银幕右侧，朝负方向增加值将缩小银幕左侧。

注意

- 因为梯形失真校正是电子形式的校正，所以图像质量可能会有所降低。

相关主题

- 校正水平梯形失真
- 菜单操作：屏幕调整

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数据投影机
VPL-P620HZ/P520HZ

菜单操作：四角梯形失真校正

校正图像的失真。
当为 [安装设定]菜单中的[屏幕调整]选择[四角梯形失真校正]时，显示此项。

1. **按MENU键。**
2. **选择 [安装设定] - [四角梯形失真校正] - [调整]。**
3. **用 / / / （上/下/左/右）键选择想要校正的角并按ENTER键。**
4. **用 / / / （上/下/左/右）键调整角位置。**

选择[重设]将重置调整的值，并将图像返回未调整的状态。

注意

- 因为梯形失真校正是电子形式的校正，所以图像质量可能会有所降低。

相关主题

- 校正画面失真
- 菜单操作：屏幕调整

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数据投影机
VPL-P620HZ/P520HZ

菜单操作：数码缩小

允许您缩小投影的图像或调整其位置。

1. **按MENU键。**
2. **选择 [安装设定] - [数码缩小] - 想要的设定。**

设定

[数码缩小]
调整投影图像的大小。数值设定为“0”将图像保留在原始大小。缩小比例为100% - 90%。
[移位]
调整投影位置。可调整的范围将因缩小比例而异。

注意

- 因为数字收缩是电子形式的校正，所以图像质量可能会有所降低。
- 调整数字收缩时，按ENTER键将转到移位调整菜单。

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菜单操作：翻转图像

图像可根据安装方法水平或垂直翻转。

1. **按MENU键。**
2. **选择 [安装设定] - [翻转图像] - 想要的设定。**

设定

[水平垂直翻转]
水平和垂直翻转图像。
[水平翻转]
水平翻转图像。
[垂直翻转]
垂直翻转图像。
[关]
投影图像，不翻转。

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VPL-P620HZ/P520HZ

菜单操作：高海拔高度模式

按照安装位置的气压进行设定。

1. **按MENU键。**
2. **选择 [安装设定] - [高海拔高度模式] - 想要的设定。**

设定

[第2层]
当在海拔为1800 m或以上的位置使用投影机时选择此项。
[第1层]
当在海拔为1000 m至1800 m的位置使用投影机时选择此项。
[关]
当在平地上使用投影机时选择此项。

注意

- 使用设定不当的投影机可能影响各组件的可靠性。

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数据投影机
VPL-P620HZ/P520HZ

菜单操作：面板调整

此功能有助于调整字符或图像色彩的差异。设定为[开]时，可指定和调整[调整色彩]和[图案色彩]。

1. **按MENU键。**
2. **选择 [安装设定] - [面板调整] - 想要的设定。**

设定

[调整项目]
选择以下选项进行调整。

- [移位]：使整幅图像移位并进行调整。
- [区域]：选择所需范围并进行调整。

[调整色彩]
指定所需色彩以调整色彩差异。根据“G”（绿色），选择[R]（红色）或[B]（蓝色）进行调整。
[图案色彩]
当[调整色彩]为[R]（红色）时，选择[R/G]（红色和绿色）或[R/G/B]（白色，全部色彩）。当[调整色彩]为[B]（蓝色）时，选择[B/G]（蓝色和绿色）或[R/G/B]（白色，全部色彩）。
[调整]
使用 / / / （上/下/左/右）键，可以对[调整色彩]中所选色彩进行移位调整和区域调整。
[重设]
将面板调整设定项目初始化至出厂预设值。

注意

- 视[面板调整]的调整值而定，色彩和分辨率可能会改变。

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数据投影机
VPL-P620HZ/P520HZ

查看投影机信息

查看投影机机型名称、序列号、输入信号类型、灯使用时间和其他信息。

1. **按MENU键。**
2. **选择 ⓘ [信息]。**

可查看的项目

[机型名称]
显示机型名称。
[序列号码]
显示序列号码。
[fH / fV]
显示当前输入信号的水平扫描/垂直扫描频率和信号类型（分辨率）。
[灯光操作时间]
显示到现在为止的灯使用时间。

注意

- 水平/垂直频率可能因输入信号显示不正常。

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数据投影机
VPL-P620HZ/P520HZ

使用网络功能

投影机连接到网络允许您执行以下操作。
使用已启用必需功能的投影机。

- 用网络浏览器确认当前的投影机状态。
- 用网络浏览器远程操作投影机。
- 通过电子邮件接收来自投影机的报告。
- 配置投影机的网络设定。
- 使用各种类型的网络监控和控制协议执行控制（Advertisement、ADCP、PJ Talk、PJ Link、SNMP、AMX DDDP（Dynamic Device Discovery Protocol）、Crestron RoomView）。
- 重置网络设定。
- 设定日期和时间。
- 更新软件。
- 使用https通信。

注意

- 投影机连接到网络时，请咨询网络管理员。另外使用具备适当安全措施的网络环境。
- 投影机连接到网络使用时，通过网络打开投影机的控制面板，然后更改访问控制设定的出厂设定。我们建议您定期更改密码。
- 一旦已完成浏览器配置，请关闭浏览器以便注销。
- 请注意此处说明使用的图像仅供参考。某些图像可能因正使用的机型而异。
- 支持的网络浏览器是Internet Explorer（版本11或更高版本）、Safari和Chrome。
- 唯一可用的显示语言是英语。
- 从电脑访问投影机时，如果浏览器设定为“使用代理服务器”，则单击复选标记，将其配置为不使用代理服务器。

相关主题

- 操作控制面板
- 使用电子邮件报告功能
- 配置投影机的网络设定
- 重置网络设定
- 设定日期和时间
- 使用软件更新功能
- 配置https通信

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数据投影机
VPL-P620HZ/P520HZ

用网络浏览器显示投影机的控制窗口

用网络浏览器显示投影机的控制窗口，并配置网络设定。

1. **用LAN电缆将投影机或电脑连接到集线器或路由器。**

2. **按MENU键并从 [连接/电源设定] - [网络设定]配置投影机的网络设定。**

3. **打开网络浏览器，将以下信息输入到地址字段，然后按Enter键。**

   http://xxx.xxx.xxx.xxx
   （xxx.xxx.xxx.xxx：投影机的IP地址）
   可从 [连接/电源设定]菜单中的[网络设定]中确认投影机的IP地址。
   控制面板将显示在浏览器中。

提示

- 一旦已配置网络设定，随后仅通过步骤3的操作就能显示控制面板。
- 对于https通信，先用http连接，然后配置https通信。

相关主题

- 通过集线器或路由器连接电脑
- 菜单操作：网络设定
- 配置https通信

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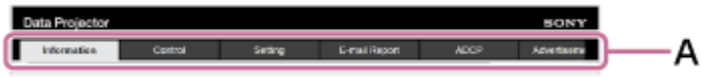
操作控制面板

从浏览器中显示的控制面板，可配置访问权限并确认投影机状态。

切换页面

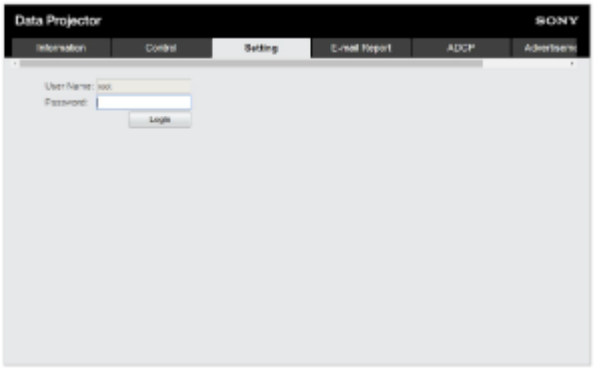
单击页面切换选项卡(A)显示想要配置的页面。
当不显示目标页面的选项卡时，使用该选项卡下的滚动条显示该页面。



需要Administrator权限才能访问除Information和Control之外的其他页面。

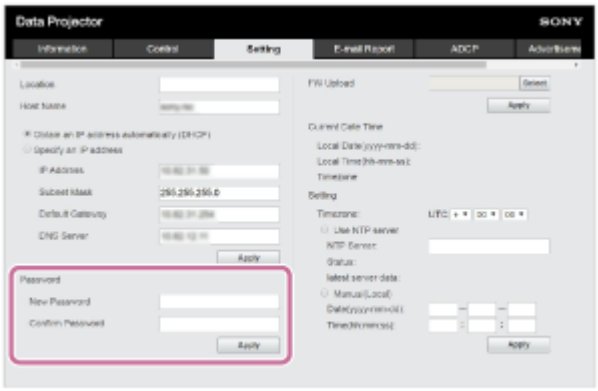
设定密码

单击页面切换选项卡中的[Setting]，将显示登录窗口。



首次访问[Setting]页面时，输入User Name “root”和Password “Projector”。
首次登录时，将显示提示您更改密码的窗口。遵循显示的指示说明更改密码。

初始密码“Projector”无法设定为新密码。
要更改密码，请在[Setting]页面中设定[Password]。



要启用新密码，则输入新密码，然后单击[Apply]。

注意

- 如果您忘记了密码，请联络Sony公司专业技术人员。
  一旦获得批准，就能重新配置密码。

确认投影机状态

单击[Information]页面切换选项卡并打开[Information]页面允许您确认投影机的当前状态。

操作投影机

单击[Control]页面切换选项卡并打开[Control]页面允许您操作投影机。

按钮功能与遥控器上的按键的功能相同。

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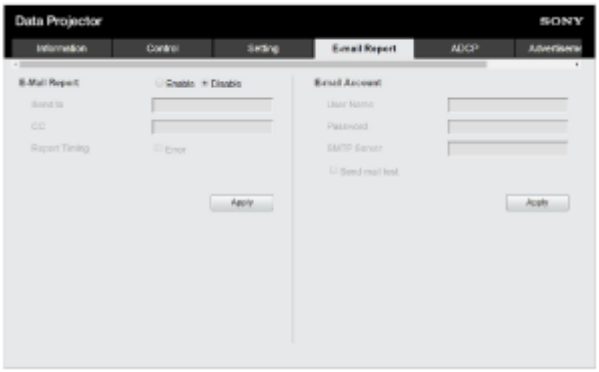
使用电子邮件报告功能

在[E-mail Report]页面上配置电子邮件报告功能。

注意

- 单击[Apply]之后才会应用输入的值。

1. **单击[E-mail Report]选项卡并显示[E-mail Report]页面。**



2. **在[E-mail Report]中选择[Enable]。**
3. **配置[Send to]和[CC]。**
4. **配置[Report Timing]项目。**
5. **单击[Apply]。**
6. **配置[E-mail Account]项目。**
7. **检查[Send mail test]并单击[Apply]。**

   测试电子邮件将发动到设定的目标地址。

设定

[Send to], [CC]

输入目标电子邮件地址。

[Report Timing]

- [Over Light usage time]：当灯使用时间超过指定的时间时发送报告。[Error]：当投影机检测到错误时发送报告。

[E-mail Account]

- [User Name]：输入电子邮件地址。

- [SMTP Server]：输入发送电子邮件服务器（SMTP）地址。

注意

- 对于执行Outbound Port25 Blocking的网络，因为无法连接SMTP服务器，所以不能使用电子邮件报告功能。
- 不能在文本框中输入以下字符：‘ “ \ & < >

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数据投影机
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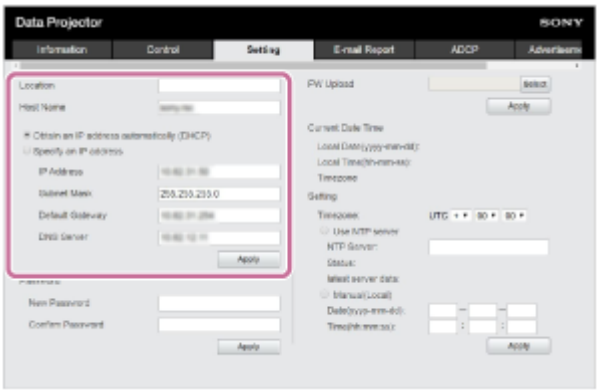
配置投影机的网络设定

从[Setting]页面配置网络功能。

注意

- 单击[Apply]之后才会应用输入的值。

1. **单击[Setting]选项卡并显示[Setting]页面。**



2. **配置[Location]。**

3. **配置[Host Name]。**

   此主机名必须与通过https通信访问时所用证书的Common Name（常用名）相同。有关详细信息，请参阅“配置https通信”。

4. **配置[Obtain an IP address automatically (DHCP)]或[Specify an IP address]。**

5. **单击[Apply]。**

设定

[Obtain an IP address automatically (DHCP)]

通过路由器或其他设备的DHCP服务器功能自动分配网络设定。DHCP服务器分配的数值显示在[IP Address]、[Subnet Mask]、[Default Gateway]和[DNS Server]中。

[Specify an IP address]

手动配置网络。

- [IP Address]：输入投影机的IP地址。
- [Subnet Mask]：输入投影机的子网掩码。
- [Default Gateway]：输入投影机的默认网关。
- [DNS Server]：输入投影机的主DNS服务器。

相关主题

- 配置https通信

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数据投影机
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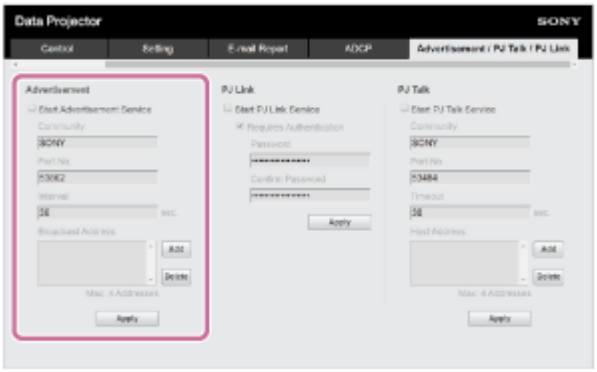
设定Advertisement

从[Advertisement / PJ Link / PJ Talk]页面更改Advertisement控制协议设定。

注意

- 单击[Apply]之后才会应用输入的值。

1 单击[Advertisement / PJ Link / PJ Talk]选项卡并显示[Advertisement / PJ Link / PJ Talk]页面。



2 配置[Advertisement]下的每一项并单击[Apply]。

设定

[Start Advertisement Service]

打开或关闭Advertisement。只有打开此设定，才能应用Advertisement有关的设定。默认出厂设定为关闭。

- [Community]：输入Advertisement和PJ Talk的团体名称。如果发生变化，则PJ Talk团体名称也会变化。仅允许由四个字母数字字符组成的条目。默认出厂设定团体名称为“SONY”。为了避免从另一台电脑未经授权访问投影机，我们建议更改出厂设定的团体名称。
- [Port No.]：输入Advertisement传输端口。默认出厂设定的Advertisement传输端口是“53862”。
- [Interval]：输入Advertisement传输间隔（秒钟）。默认出厂设定Advertisement传输端口中的Advertisement传输间隔是“30”。
- [Broadcast Address]：输入Advertisement数据传输接收方。如果未输入任何内容，将在相同的子网上进行广播。

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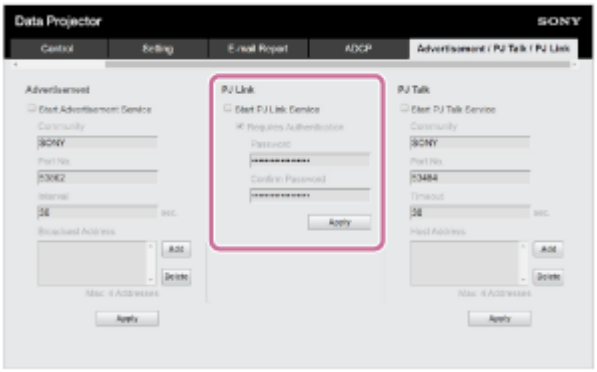
设定PJ Link

从[Advertisement / PJ Link / PJ Talk]页面更改PJ Link控制协议设定。

注意

- 单击[Apply]之后才会应用输入的值。

1. **单击[Advertisement / PJ Link / PJ Talk]选项卡并显示[Advertisement / PJ Link / PJ Talk]页面。**



2. **配置[PJ Link]下的每一项并单击[Apply]。**

设定

[Start PJ Link Service]

打开或关闭PJ Link功能。只有打开此设定，才能应用PJ Link有关的设定。默认出厂设定的功能关闭。

- [Requires Authentication]：打开或关闭PJ Link认证功能。
- [Password]：输入PJ Link认证密码。有关默认密码，请参阅PJ Link规格。

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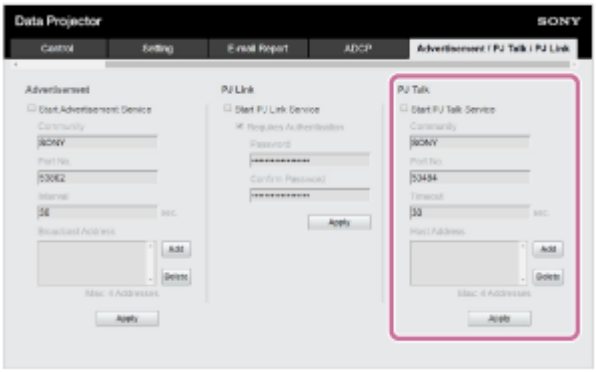
设定PJ Talk

从[Advertisement / PJ Link / PJ Talk]页面更改PJ Talk控制协议设定。

注意

- 单击[Apply]之后才会应用输入的值。

1. **单击[Advertisement / PJ Link / PJ Talk]选项卡并显示[Advertisement / PJ Link / PJ Talk]页面。**



2. **配置[PJ Talk]下的每一项并单击[Apply]。**

设定

[Start PJ Talk Service]

打开或关闭PJ Talk设定。只有打开此设定，才能应用PJ Talk有关的设定。关闭默认的出厂设定功能。

- [Community]：输入Advertisement和PJ Talk的团体名称。如果发生变化，则Advertisement团体名称也会变化。仅允许由四个字母数字字符组成的条目。默认出厂设定的团体名称是“SONY”。为了避免从另一台电脑未经授权访问投影机，我们建议更改出厂设定中使用的团体名称。
- [Port No.]：输入PJ Talk服务器端口。默认出厂设定的PJ Talk服务器端口是“53484”。
- [Timeout]：输入中断PJ Talk通信时断开连接之前的时间（以秒为单位）。默认出厂设定的时间是“30”。
- [Host Address]：输入允许PJ Talk服务器接收的IP地址。如果不输入任何内容，则可从任何IP地址接收命令。一旦已输入IP地址，则只允许从输入的IP地址进行访问。出于安全目的，建议输入一个IP地址并限制访问。

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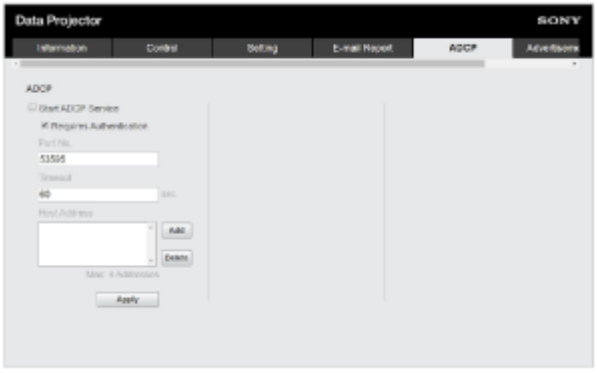
设定ADCP

从[ADCP]页面更改ADCP控制协议设定。

注意

- 单击[Apply]之后才会应用输入的值。

1 单击[ADCP]选项卡并显示[ADCP]页面。



2 配置每一项并单击[Apply]。

设定

[Start ADCP Service]

打开或关闭ADCP。只有打开此设定，才能应用ADCP有关的设定。默认出厂设定为关闭。

- [Requires Authentication]：打开或关闭ADCP认证功能。设定网页管理员密码作为密码。
- [Port No.]：输入ADCP服务器端口。默认出厂设定的ADCP服务器端口是“53595”。
- [Timeout]：输入中断ADCP通信时断开连接之前的时间（以秒为单位）。默认出厂设定的时间是“60”。
- [Host Address]：输入允许ADCP服务器接收的IP地址。如果不输入任何内容，则可从任何IP地址接收命令。一旦已输入IP地址，则只允许从输入的IP地址进行访问。出于安全目的，建议输入一个IP地址并限制访问。

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数据投影机
VPL-P620HZ/P520HZ

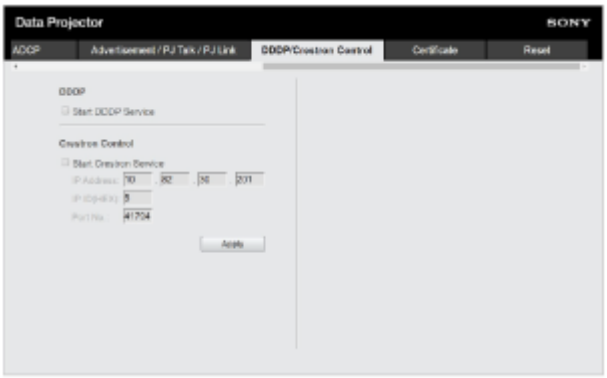
设定AMX DDDP/Crestron Room View

从[DDDP/Crestron Control]页面设定系统服务功能。

注意

- 单击[Apply]之后才会应用输入的值。

1. **单击[DDDP/Crestron Control]选项卡并显示[DDDP/Crestron Control]页面。**



2. **配置每一项并单击[Apply]。**

设定

[DDDP]

[Start DDDP Service]：打开或关闭DDDP功能。有关详细信息，请访问AMX Corporation DDDP协议规格。关闭默认的出厂设定。

[Crestron Control]

[Start Crestron Service]：打开或关闭Crestron Control功能。有关详细信息，请参阅Crestron Corporation的产品目录等。

- [IP Address]：输入Crestron系统服务器。
- [IP ID]：输入CIP协议IP ID。
- [Port No.]：输入CIP协议服务器端口号。

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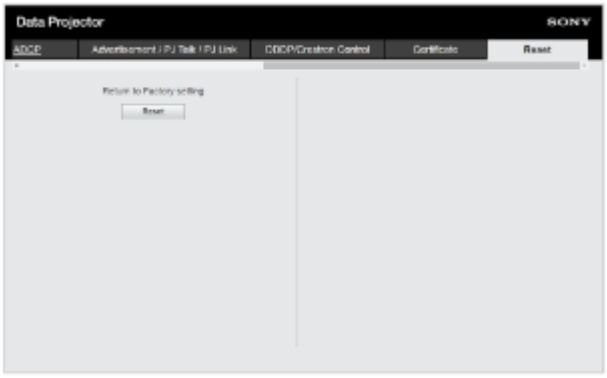
数据投影机
VPL-P620HZ/P520HZ

重置网络设定

将网络浏览器可配置的所有项目恢复为出厂设定。

1. **单击[Reset]选项卡并显示[Reset]页面。**



2. **单击[Reset]。**

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数据投影机
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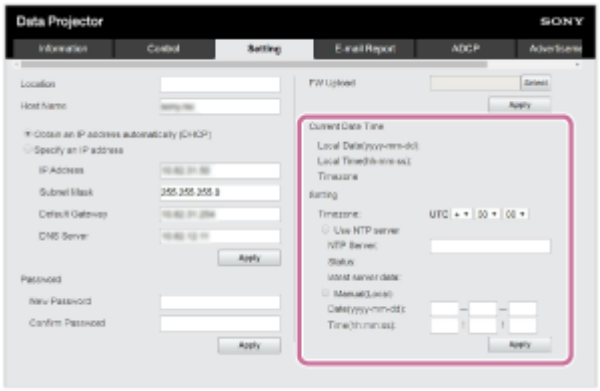
设定日期和时间

设定日期和时间。
可从[Use NTP server]或[Manual(Local)]设定时间。

1. **单击[Setting]选项卡并显示[Setting]页面。**



2. **在日期和时间下配置每一项，并单击[Apply]。**

设定

[Current Date Time]

目前设定的时间将显示在本地时区中。

[Setting]

输入以下项目设置日期和时间。

- [Timezone]：设定时区。不支持夏令时。
- [Use NTP server]：如果通过网络（NTP服务器）获取时间，则选择此项。
  - [NTP Server]：输入NTP服务器。
  - [Status]：显示NTP服务器的连接状态。
  - [latest server data]：显示最近从NTP服务器获取的信息。
- [Manual(Local)]：如果手动设定日期和时间，则选择此项。
  - [Date(yyyy-mm-dd)]：输入日期。
  - [Time(hh:mm:ss)]：输入时间。

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数据投影机
VPL-P620HZ/P520HZ

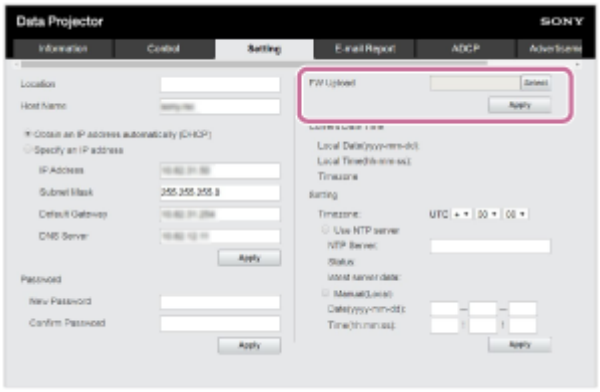
使用软件更新功能

可通过网络更新投影机软件。
更新文件可从Sony网站下载。

注意

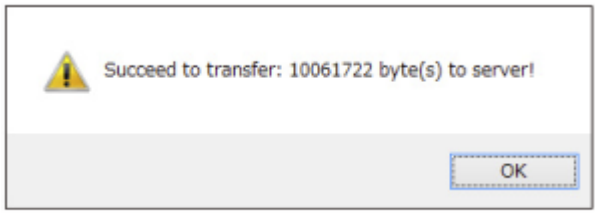
- 只有投影机处于待机模式时，才能通过网络更新投影机软件。

1 **单击[Setting]选项卡并显示[Setting]页面。**



2 **单击[FW Upload]中的[Select]选择要更新的文件，然后单击[Apply]。**

开始更新准备。准备完成后将显示一条信息。



3 **单击[OK]。**

将显示一条更新确认信息。

4 **单击[OK]。**

开始更新。
更新完成后，将再次显示[Setting]页面。

相关主题

- 更新软件

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数据投影机
VPL-P620HZ/P520HZ

配置https通信

在[Certificate]页面上配置https通信。

1 单击[Certificate]选项卡并显示[Certificate]页面。

2 选择[Communication Mode]。

- **[Http]**：仅http连接。
- **[Http and Https]**：可同时使用https和http连接。
- **[Https]**：仅https连接。

选择[Https]表示https连接。但是首次建立https连接请遵循“首次用https连接”中的步骤。
投影机支持的加密协议为TLS 1.2。此外端口号设定为443。

3 设定证书。

- **[Upload Trusted CA Certificate]**：将安装CA颁发的证书。选择电脑上的文件夹中保存的证书。
  单击[Apply]安装证书。
  支持的证书

  - Format：PEM
  - Extension：CRT、PEM
  - Encryption：RSA
  - Hash：SHA-256/SHA-384
  - Key length：512/1024/2048/4096位
  - Common Name：网络主机名
    对于Common Name，使用[Setting]页面上的[Host Name]下设定的主机名。
  - Organization：由客户定义

- **[Generate self issued certificate (for test only)]**：将安装投影机内生成的证书（自生成证书）。单击[Apply]安装证书。

  您可以使用CA颁发的证书或投影机内生成的证书（自生成证书）。

安装的证书将显示在[Certificate information]中。

- [Status: OK]：当安装CA颁发的证书且证书在认证周期内时。
- [Status: Expire]：当安装CA颁发的证书但证书已过期时。

- [Status:（空白）]：当安装自生成证书时。

使用https功能时

使用[Setting]页面上的[Host Name]下设定的主机名访问投影机。投影机主机名是否需要注册到DNS服务器取决于使用环境。当用不同的主机名（例如投影机的IP地址）访问投影机时，可能显示一个警告窗口。这种情况下，参阅屏幕上的指示说明，继续此步骤。

Internet Explorer的画面示例（当操作系统设定为简体中文时）

注意

- 当使用自生成证书时，可能因以下原因无法使用https通信的一种存在凭据。
  - 投影机生成的密钥是自签名的。
  - 为专用名称（常用名等）输入提前决定的值。
  - 用户系统信任的CA还未颁发证书。

  出于安全目的，我们建议在运行测试等情形下没有必要为了绝对的安全使用自生成证书。
- 最后一个证书生效。
- 使用自生成证书时，若使用浏览器并用https连接，可能显示[安全警告]。这种情况下，参阅屏幕上的指示说明，继续此步骤。
- 视投影机上安装的证书而定，可能无法进行https连接。这种情况下，将安装CA证书到您的电脑。有关详细信息，请参阅“安装CA证书到您的电脑”。
- 中国出售的机型不含https功能。
- 如果使用https功能，确保先调整投影机日期和时间，在进行配置。如果日期和时间不准确，可能无法通过浏览器进行连接。

相关主题

- 菜单操作：通信模式
- 配置投影机的网络设定
- 首次用https连接
- 安装CA证书到您的电脑

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首次用https连接

如果在[Communication Mode]设定为[Https]仅用https进行连接时https功能不能正常工作，则电脑无法访问投影机。为了避免这种情形，确认是否可通过以下步骤进行https连接。

1. **单击[Certificate]，显示[Certificate]页面。**
2. **将[Communication Mode]设定为[Http and Https]。**
3. **安装证书。**

   有关证书安装，请参阅“配置https通信”中的“设定证书”。
4. **关闭网络浏览器。**
5. **启动网络浏览器显示含https连接的投影机设定窗口。**

   有关连接方法，请参阅“配置https通信”中的“使用https功能时”。
6. **确认可以进行https连接，然后将[Communication Mode]设定为[Https]。**

如果由于确认期间https连接失败使得设定窗口或网络浏览器关闭，则在选择[Http and Https]时仍然可进行http连接。确认http连接的证书设定，然后确认是否可再次进行https连接。

注意

- 在[Certificate]页面的[Communication Mode]中选择[Https]时，如果https连接失败，电脑将无法连接投影机。这种情况下，按投影机或遥控器上的MENU按钮显示菜单画面，然后选择[连接/电源设定] - [网络设定] - [通信模式] - [http]更改通信模式。

相关主题

- 配置https通信

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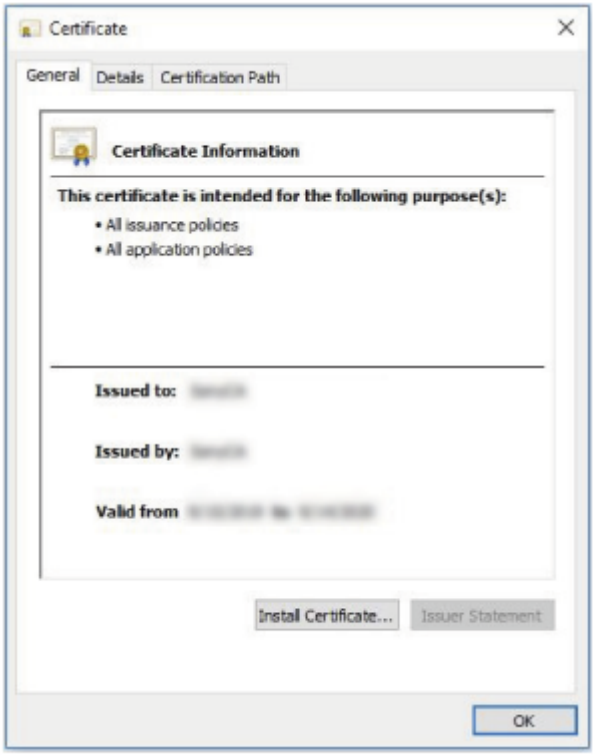
安装CA证书到您的电脑

视安装到投影机上的证书类型，因为浏览器（Internet Explorer）不显示让您决定是否接受证书的对话框，所以可能无法连接网络。这种情况下，遵循以下步骤并安装CA证书到您的电脑。（以下画面是操作系统设定为简体中文时的示例。）

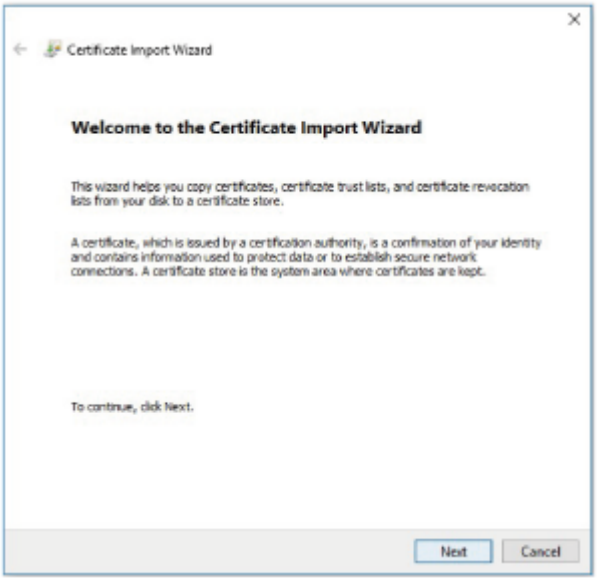
1 将要安装到投影机的已签名CA证书保存到您的电脑。

标准的证书文件扩展名是“.cer”。双击此文件显示证书对话框。

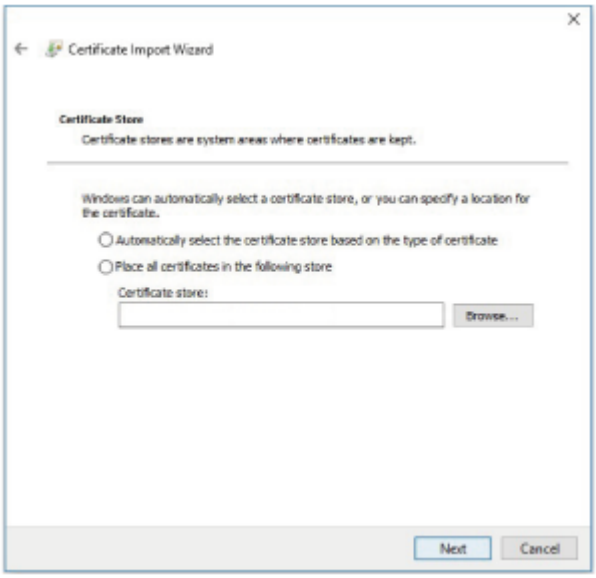


2 单击[安装证书]。

将显示[欢迎使用证书导入向导]。

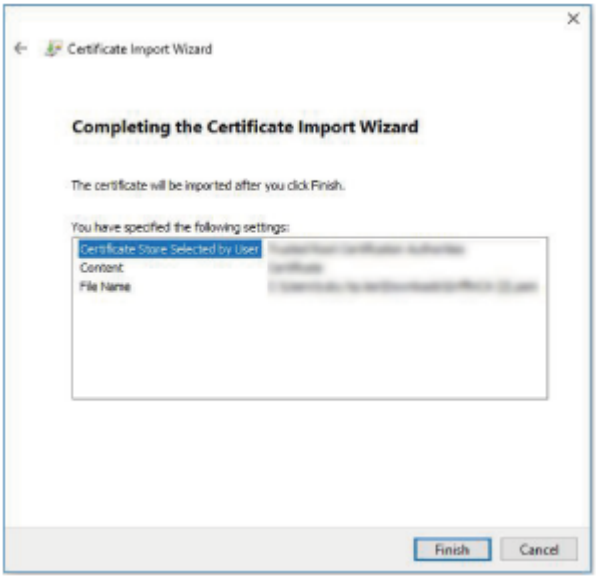


3 **单击[下一步]。**



4 **选择[根据证书类型，自动选择证书存储]，然后单击[下一步]。**

将显示[正在完成证书导入向导]。



5 **确认内容并单击[完成]。**

将安装CA证书。

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删除安装到电脑上的CA证书

遵循以下步骤删除安装到电脑上的CA证书。

1. **在Internet Explorer上，从[工具]菜单选择[Internet选项]，选择[内容]选项卡和[证书]，然后显示[证书]对话框。**

   操作系统设定为简体中文时的画面示例

2. **选择要删除的证书。**

   通常，CA证书保存在[受信任的根证书颁发机构]下。

3. **单击[删除]。**

   将出现[要删除证书吗？]确认对话框。

4. **单击[是]。**

   证书将被删除。

视证书类型而定，上述步骤可能无法删除某些证书。这种情况下，可遵循以下步骤，先确认证书安装状态，再行删除。

注意

- 执行以下步骤需要您以具有管理员权限的用户登录。

1. 从Windows菜单中打开[运行]，输入[mmc]，然后单击[OK]。
2. 在“控制台1”画面中，从[文件]菜单中选择[添加/删除管理单元]。
   将出现[添加或删除管理单元]对话框。
3. 从列表中选择[证书]，然后单击[添加]。
   将显示[证书管理]。
4. 选择[计算机帐户]作为此管理单元正管理的证书，然后单击[下一步]。
5. 选择[本地计算机]作为此管理单元正管理的计算机，然后单击[完成]。
   管理[证书]的项将显示在控制台根节点窗口中。确认有疑问的证书，然后删除。

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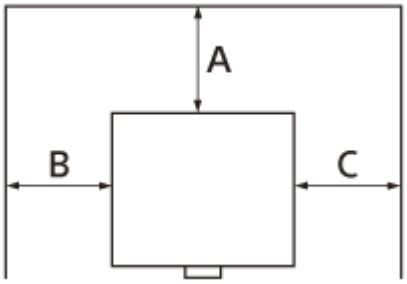
数据投影机
VPL-P620HZ/P520HZ

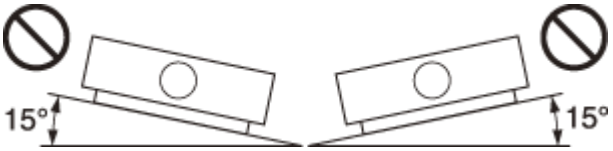
安装须知

- 安装投影机时，如图所示在任何墙壁等和本机之间保留空间。
  顶视图

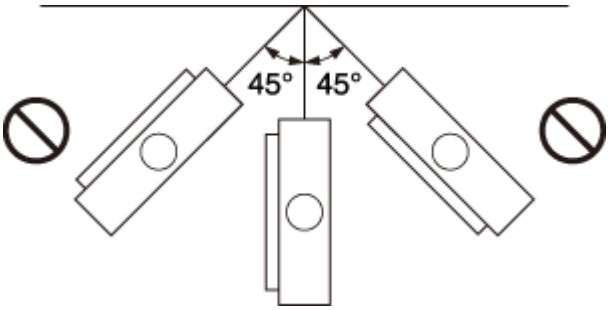


  A：50 cm以上
  B：50 cm以上
  C：50 cm以上

- 避免在投影机水平倾斜超过15度时使用投影机。

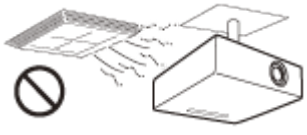


- 以纵向模式安装投影机时，请避免倾斜超过45度使用投影机。

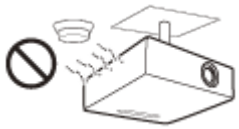


- 避免在温度或湿度很高或温度很低的场所内使用投影机。

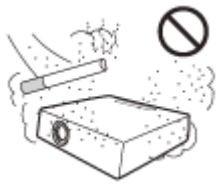
- 避免将投影机安装在直接受到空调冷空气或暖空气吹拂的位置。在这种位置安装可能会因湿气凝结或温度升高使投影机发生故障。



- 避免将投影机安装到热传感器或烟雾传感器附近。安装到这种位置可能会让传感器发生故障。



- 避免将投影机安装到多尘或烟雾弥漫的环境中。否则空气滤网可能会堵塞，这可能让投影机发生故障或损坏。



- 当在海拔1000 m或更高的位置使用本机时，请正确设置 [安装设定]菜单中的[高海拔高度模式]。否则可能会产生不利影响，诸如降低某些组件的可靠性。

相关主题

- 菜单操作：高海拔高度模式

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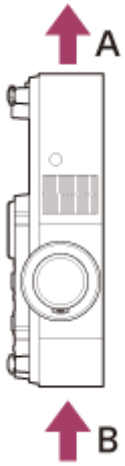
数据投影机
VPL-P620HZ/P520HZ

纵向安装注意事项

在纵向模式下安装投影机时，请确保将投影机以排气通风孔朝上的位置放置，如图所示。



A： 通风孔（排气）
B： 通风孔（进气）

相关主题

- 安装须知
- 菜单操作：高海拔高度模式

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数据投影机
VPL-P620HZ/P520HZ

关于清洁镜头和机壳

- 清洁前务必从墙上电源插座断开交流电源线。
- 如果用污布擦拭投影机，机壳上可能会有刮痕。
- 如果投影机沾到杀虫剂等挥发性物质，或投影机长时间接触橡胶或乙烯树脂产品，投影机可能会劣化或涂层可能剥落。
- 请勿徒手接触镜头。
- 关于清洁镜头面：
  用眼镜布等软布轻轻擦拭镜头。将软布用水蘸湿，擦掉顽固污渍。切勿使用酒精、苯或稀释剂等溶剂，酸性、碱性或研磨清洁剂，或化学清洗布。
- 有关清洁机壳：
  用软布小心清洁机壳。用温和的洗涤剂轻微蘸湿软布，拧干后擦掉顽固污渍，然后用干软布擦干。切勿使用酒精、苯或稀释剂等溶剂，酸性、碱性或研磨清洁剂，或化学清洗布。

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关于照明

为了达到最佳的画质，银幕正面不得暴露在直射照明或阳光下。

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数据投影机
VPL-P620HZ/P520HZ

关于散热

使用期间或使用后短期内投影机机壳的温度可能会升高；但这不是故障。

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数据投影机
VPL-P620HZ/P520HZ

屏幕

使用不平整的表面作为银幕时，视银幕和投影机之间的距离或缩放倍数而定，银幕上可能出现极少的条纹图案。这不是投影机的故障。

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冷却扇

因为投影机内配有风扇避免内部温度升高，所以可能有些噪音。这是制造过程的正常结果，并不是故障。但如果噪音异常，请向Sony公司专业技术人员咨询。

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关于光源相关部件的检查

因为投影机使用激光，在维护或检查光源相关部件时，需要特别小心并确保环境安全。务必向Sony公司专业技术人员咨询。

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关于废弃产品的处理

请勿将废旧产品和一般垃圾放到一起。
正确废弃产品，避免危及环境或您及他人的健康。
请遵循您所在地区的废弃规定。

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关于LCD投影机

本LCD投影机采用高精密度技术制造。然而，可能会在LCD投影机的图像上持续显示微小的黑点和/或亮点（红色、蓝色或绿色）。这是制造过程的正常结果，不代表故障。并且，当您使用多台LCD投影机投影在一个屏幕上时，即使是相同型号，投影机间的色彩再现可能会有不同，因为各个投影机的色彩平衡可能设置各异。

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数据投影机
VPL-P620HZ/P520HZ

关于湿气凝结

如果投影机安装地的室温急剧变化，或如果突然将投影机从寒冷的地方搬到温暖的地方，投影机中可能会出现湿气凝结。
由于湿气凝结可能会造成故障，所以在调节空调温度设定时请小心。
如果出现湿气凝结，请让投影机保持开启状态约两小时后再使用。

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数据投影机
VPL-P620HZ/P520HZ

安全说明

- SONY不对任何因传输设备安全措施操作不当、传输规格导致不可避免的数据泄露或任何种类的安全问题造成的损坏负责。
- 视操作环境而定，网络上未经授权的第三方可能可以访问本装置。将本装置连接至网络时，必须确认网络有安全保护。
- 出于安全性考虑，使用本装置连接到网络时，强烈建议通过网络浏览器来访问控制窗口并更改访问限制设定的出厂默认值。此外，建议您使用他人难以猜测的、足够长的字符串设置密码，并妥善存放。
- 进行设定时或完成设定后，请勿在网络浏览器中浏览任何其他网站。由于登录状态保留在网络浏览器中，完成设定时请关闭网络浏览器，以防未经授权的第三方使用本装置或运行恶意程序。
- 将本产品连接到网络时，请通过具有保护功能的系统（例如路由器或防火墙）进行连接。如果在没有此类保护的情况下进行连接，可能会发生安全问题。

相关主题

- 操作控制面板

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请勿将本产品放在医疗设备附近

本产品（包括附件）带有磁铁，可能会干扰心脏起搏器、用于治疗脑积水的可编程分流阀或其他医疗设备。请勿将本产品放在使用上述医疗设备的人员附近。如果您在使用上述医疗设备，请在使用本产品前咨询医生。

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数据投影机
VPL-P620HZ/P520HZ

免责声明

- 在使用前请始终确认本机运行正常。无论保修期内外或基于任何理由，SONY对任何损坏概不负责。由于本机故障造成的利润损失等，无论是在保修期以内或者以外，SONY均不作任何赔偿。
- SONY对本产品用户或第三方的任何索赔概不负责。
- SONY对因任何情况导致终止或停止使用本机相关服务概不负责。

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数据投影机
VPL-P620HZ/P520HZ

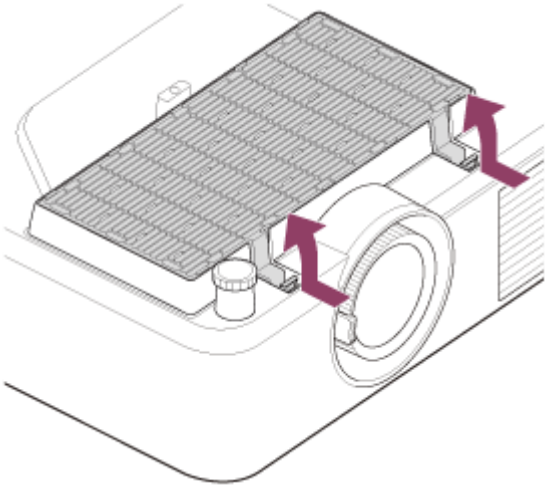
清洁空气滤网

出现提示清洁空气滤网的信息时，请清洁空气滤网。如果在清洁后仍然无法清除空气滤网上的灰尘，请更换新的空气滤网。有关新的空气滤网的详情，请咨询Sony公司专业技术人员。

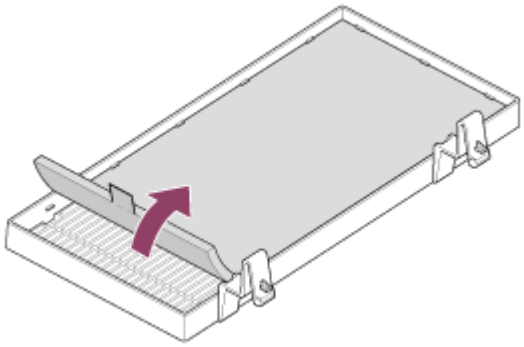
注意

如果在显示信息后仍继续使用投影机，则灰尘可能积聚从而造成堵塞。因此，投影机内部的温度可能会升高从而造成故障或火灾。

1. **关闭投影机电源并从交流电源插座拔出交流电源线。**
2. **要拆下空气滤网盖，按下两根杆抬起空气滤网盖。**



3. **从空气滤网盖拆下空气滤网。**



4. **用吸尘器清洁空气滤网。**
5. **将空气滤网放回空气滤网盖，然后将空气滤网盖安装到本机。**

注意

- 如果打开电源时拆下空气滤网盖，可能意外触碰到投影机内的风扇，这可能导致受伤。
- 从空气滤网盖拆下空气滤网时向上拉空气滤网拉杆。将空气滤网安装到空气滤网盖上时，确保安装了正确的一面，让拉杆从空气滤网中突出。

- 将空气滤网牢牢安装到空气滤网盖，切勿撞到空气滤网盖的挂钩。如果空气滤网错误安装到空气滤网盖上，可能出现故障。
- 将两根杆完全按入装置内，将其锁定。如果空气滤网盖错误安装到本机上，可能出现故障。

相关主题

- 信息目录

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数据投影机
VPL-P620HZ/P520HZ

更新软件

以下是更新投影机软件的指示说明。

从USB驱动器更新

可以将更新文件下载到电脑并将其复制到USB驱动器，然后将其插入到投影机的USB端子进行更新。
此方法需要您自备USB驱动器、带互联网连接的电脑以及允许将更新文件写入到USB驱动器的环境。
更新文件可从Sony网站下载。
https://pro.sony.com

1. **将更新文件复制到USB驱动器的根文件夹中。**
2. **关闭投影机并拔出交流电源线。**
3. **将USB驱动器插入投影机的USB端子。**
4. **按投影机上的INPUT键时插入交流电源线到墙上电源插座。**

   ON/STANDBY指示灯红色点亮，然后橙色闪烁（更新软件）。
5. **松开INPUT键。**

   更新结束时ON/STANDBY指示灯保持红色点亮。
6. **插入USB驱动器后按 | / ⏻ （开/待机）键。**

   ON/STANDBY指示灯开始绿色闪烁。
   存在另一次更新时，ON/STANDBY指示灯保持红色点亮，并继续自动更新。
   没有额外的更新时，投影机灯点亮。
7. **从投影机拔出USB驱动器。**

   如果投影机灯点亮，关闭投影机，拔出USB驱动器。

联网更新

将电脑连接到投影机相连的局域网环境，允许您通过网络更新投影机。
更新文件可从Sony网站下载。
https://pro.sony.com
有关详细信息，请参阅“使用软件更新功能”。

注意

- 此投影机已确认兼容最大容量8 GB的USB 2.0驱动器。但不保证能使用所有USB驱动器。
  如果格式化USB驱动器，务必将文件系统设定为FAT32。格式化为任何其他类型的文件系统将使驱动器不兼容投影机。
- 可能不兼容某些USB驱动器。有关详细信息，请查阅上述网站。
- 请勿在软件更新过程中断开交流电源线。

相关主题

- 使用软件更新功能

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数据投影机
VPL-P620HZ/P520HZ

规格

光学系统

投影系统

3 LCD系统

显示设备

有效显示尺寸
0.64英寸（16.3 mm） × 3，纵横比16:10
有效像素
6912000像素（1920 × 1200像素 × 3）

投影镜头

聚焦调整
手动
缩放调整
手动（1.6×）

光源

激光二极管

投影图像尺寸

40英寸 - 300英寸（1.02 m - 7.62 m）

有效光通量（亮度）

VPL-P620HZ：6000 lm（[光源输出模式]：[标准]）
VPL-P520HZ：5000 lm（[光源输出模式]：[标准]）

电气系统

扬声器

16 W × 1（单声道）

支持的扫描频率*1

水平：15 kHz - 92 kHz，垂直：24 Hz - 92 Hz

显示分辨率*1

电脑信号输入
最大显示分辨率：1920 × 1200像素
视频信号输入
NTSC，PAL，SECAM，480/60i，576/50i，480/60p，576/50p，720/60p，720/50p，1080/60i，1080/50i，1080/60p，1080/50p，1080/24p，2160/30p*2，2160/25p*2，2160/24p*2

彩色制式

NTSC3.58，PAL，SECAM，NTSC4.43，PAL-M，PAL-N，PAL60

*1 有关详细信息，请参阅支持的信号表格。
*2 仅当水平像素数为3840时显示。

输入/输出端子

电脑/视频输入和输出

输入A
RGB/Y PB PR输入端子：迷你D-sub 15针（雌接口），G同步/Y：1 Vp-p±2 dB，负同步，75欧姆终止，RGB信号/PB PR信号：0.7 Vp-p±2 dB，75欧姆终止，同步信号：TTL级、高阻抗、正负极
音频输入端子：立体声迷你插孔，额定输入：500 mVrms，输入阻抗：47千欧或更高
输入B/输入C
HDMI输入端子：19针HDMI，HDCP
音频输入端子：支持HDMI音频
输入D
HDBaseT输入端子：RJ45，数字RGB/Y PB PR，支持HDCP，RS-232C，支持以太网（100Base-TX）传输
视频输入
视频输入端子：拾音插孔，1 Vp-p±2 dB，负同步，75欧姆终止
音频输入端子：与输入A共享
输出
音频输出端子：立体声迷你插孔，立体声，1 Vrms（最大音量，输入500 mVrms时），输出阻抗：5千欧

其他端子

RS-232C端子：D-Sub 9针（雄接口）
LAN端子：RJ45，10BASE-T/100BASE-TX
USB端子：A类
USB电源端子：A类

电源/其他

工作温度（工作湿度）

0 °C至40 °C （20%-80%（无结露））

存放温度（存放湿度）

-10 °C至+60 °C （20%-80%（无结露））

电源要求

交流100 V至240 V，4.4 A – 1.9 A，50/60 Hz

功耗

交流100 V至120 V：440 W
交流220 V至240 V：418 W

待机功耗（待机模式）

0.5 W（将[待机模式]设定为[低位]且将[遥控起动]设定为[关]时）

待机功耗（网络待机模式）

1.0 W（将[待机模式]设定为[低位]且将[遥控起动]设定为[开]时）
16.0 W（如果连接所有网络端口）（将[待机模式]设定为[标准]时）

散热

交流100 V至120 V：1502 BTU/h
交流220 V至240 V：1427 BTU/h

标准尺寸（宽/高/深）

422 mm ×129 mm ×338 mm
422 mm ×100 mm ×333 mm （不含投影部件）

质量

VPL-P620HZ：约7.0kg

VPL-P520HZ：约6.6 kg

附带附件

遥控器（RM-PJ8CN）（1）
锂电池（CR2025）（1）
交流电源线（1）
迷你D-sub 15针电缆（1.8 m）（1）（1-970-584-11/Sony）
设置指南（1）
保修卡（1）

本机的设计和规格，包括选购附件在内，如有变更恕不另行通知。

相关主题

- 兼容信号列表（电脑信号）
- 兼容信号列表（视频信号）

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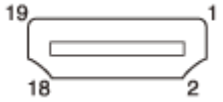
数据投影机
VPL-P620HZ/P520HZ

针脚分配（HDMI端子）

HDMI端子（HDMI，雌接口）



针脚编号	功能
1	T.M.D.S. Data2 +
2	T.M.D.S. Data2屏蔽
3	T.M.D.S. Data2 -
4	T.M.D.S. Data1 +
5	T.M.D.S. Data1屏蔽
6	T.M.D.S. Data1 -
7	T.M.D.S. Data0 +
8	T.M.D.S. Data0屏蔽
9	T.M.D.S. Data0 -
10	T.M.D.S. Clock +
11	T.M.D.S. Clock屏蔽
12	T.M.D.S. Clock -
13	N.C.
14	RESERVED (N.C.)
15	SCL
16	SDA
17	DDC GND
18	+5 V电源
19	热插头检测

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数据投影机
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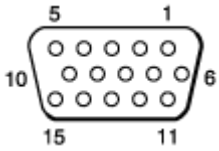
针脚分配（RGB输入端子）

RGB输入端子（迷你D-sub 15针，雌接口）



针脚编号	功能
1	图像输入（红色）R
2	图像输入（绿色）G
3	图像输入（蓝色）B
4	接地
5	RESERVE
6	接地（适用于红色）
7	接地（适用于绿色）
8	接地（适用于蓝色）
9	DDC的电源输入
10	接地
11	接地
12	DDC/SDA
13	水平同步信号
14	垂直同步信号
15	DDC/SCL

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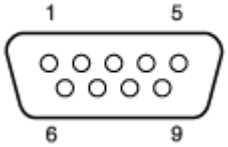
数据投影机
VPL-P620HZ/P520HZ

针脚分配（RS-232C端子）

RS-232C端子（D-Sub 9针，雄接口）



针脚编号	功能
1	NC
2	RXDA
3	TXDA
4	DTR
5	GND
6	NC
7	RTS
8	CTS
9	NC

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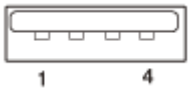
VPL-P620HZ/P520HZ

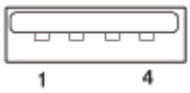
针脚分配（USB端子）

USB端子（A类，雌接口）



针脚编号	功能
1	V BUS (4.4 - 5.25 V)
2	Data -
3	Data +
4	接地

USB电源端子（A类，雌接口）



针脚编号	功能
1	V BUS (4.4 - 5.25 V)
2	N.C.
3	N.C.
4	接地

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兼容信号列表（电脑信号）

注意

- 如果使用表中未列出的输入信号，则投影机可能无法正确显示图像。
- 使用不同于平板显示分辨率的输入信号时，将不能以相同的分辨率显示输入信号，而文本、规则的线条粗细度等可能变得不平衡。
- 源设备不能自动检测信号，即使要输入的信号是兼容信号也是如此。在这种情况下，请手动设置信号。

分辨率	fH[kHz]/fV[Hz]	INPUT A	INPUT B / INPUT C / INPUT D
640 × 350	31.5/70	兼容	不兼容
640 × 350	37.9/85	兼容	不兼容
640 × 400	31.5/70	兼容	不兼容
640 × 400	37.9/85	兼容	不兼容
640 × 480	31.5/60	兼容	兼容
640 × 480	35.0/67	兼容	不兼容
640 × 480	37.9/73	兼容	不兼容
640 × 480	37.5/75	兼容	不兼容
640 × 480	43.3/85	兼容	不兼容
800 × 600	35.2/56	兼容	不兼容
800 × 600	37.9/60	兼容	兼容
800 × 600	48.1/72	兼容	不兼容
800 × 600	46.9/75	兼容	不兼容
800 × 600	53.7/85	兼容	不兼容
832 × 624	49.7/75	兼容	不兼容
1024 × 768	48.4/60	兼容	兼容
1024 × 768	56.5/70	兼容	不兼容
1024 × 768	60.0/75	兼容	不兼容
1024 × 768	68.7/85	兼容	不兼容
1152 × 864	64.0/70	兼容	不兼容
1152 × 864	67.5/75	兼容	不兼容
1152 × 864	77.5/85	兼容	不兼容
1152 × 900	61.8/66	兼容	不兼容
1280 × 960	60.0/60	兼容	兼容

分辨率	fH[kHz]/fV[Hz]	INPUT A	INPUT B / INPUT C / INPUT D
1280 × 1024	64.0/60	兼容	兼容
1280 × 1024	80.0/75	兼容	不兼容
1280 × 1024	91.1/85	兼容	不兼容
1400 × 1050	65.3/60	兼容	兼容
1600 × 1200	75.0/60	兼容	兼容
1280 × 768	47.8/60	不兼容	兼容
1280 × 720	45.0/60	兼容	兼容*1
1920 × 1080	67.5/60	兼容	兼容*2
1366 × 768	47.7/60	兼容	兼容
1440 × 900	55.9/60	兼容	兼容
1680 × 1050	65.3/60	不兼容	兼容
1280 × 800	49.7/60	兼容	兼容
1920 × 1200	74.0/60	兼容*3	兼容*3

*1 识别为720/60p视频传输信号。
*2 识别为1080/60p视频传输信号。
*3 仅兼容1920 × 1200 VESA Reduced Blanking信号。

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兼容信号列表（视频信号）

注意

- 如果使用表中未列出的输入信号，则投影机可能无法正确显示图像。
- 使用不同于平板显示分辨率的输入信号时，将不能以相同的分辨率显示输入信号，而文本、规则的线条粗细度等可能变得不平衡。
- 源设备不能自动检测信号，即使要输入的信号是兼容信号也是如此。在这种情况下，请手动设置信号。

信号名称	fV[Hz]	VIDEO IN	INPUT A*1	INPUT B / INPUT C / INPUT D
NTSC	60	兼容	不兼容	不兼容
PAL/SECAM	50	兼容	不兼容	不兼容
480i	60	不兼容	兼容	兼容
576i	50	不兼容	兼容	兼容
480p	60	不兼容	兼容	兼容
576p	50	不兼容	兼容	兼容
1080i	60	不兼容	兼容	兼容
1080i	50	不兼容	兼容	兼容
720p	60	不兼容	兼容	兼容
720p	50	不兼容	兼容	兼容
1080p	60	不兼容	兼容	兼容
1080p	50	不兼容	兼容	兼容
1080p	24	不兼容	不兼容	兼容
2160p*2	30	不兼容	不兼容	兼容
2160p*2	25	不兼容	不兼容	兼容
2160p*2	24	不兼容	不兼容	兼容

*1 仅兼容同步的G/Y信号。
*2 仅当水平像素数为3840时显示。不兼容2160/60p和2160/50p信号。

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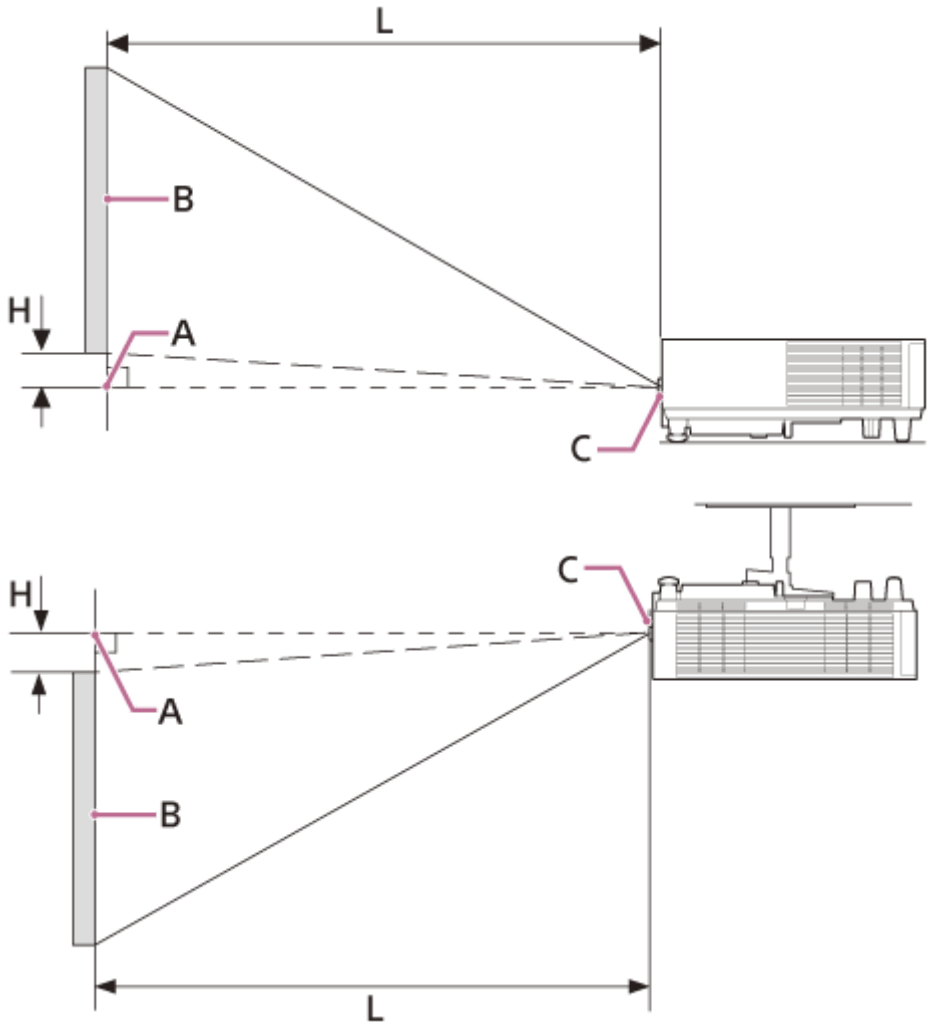
投影距离

投影距离是指镜头正面与投影面之间的距离。
投影银幕高度是指从垂直于镜头中心和投影面投射出的表面绘制的线条交点（图像中的A）到投影银幕下边缘（安装到天花板时的上边缘）的距离。
对于本投影机而言，投影机安装到地板和天花板时的投影距离值是相同的。

当安装到地板/天花板（如此安装，可让投影机上表面平行于天花板）



A：从垂直于镜头中心和投影面投射出的表面绘制的线条的交点
B：投影银幕
C：镜头正面
H：投影银幕高度位置
L：投影距离

相关主题

- 投影距离/投影距离公式

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投影距离/投影距离公式

投影距离

80英寸银幕大小（2.03 m）（水平：1.72 m × 垂直：1.08 m）

- 投影距离L：2.12 m - 3.39 m
- 投影银幕高度位置H（最小）：−0.91 m
- 投影银幕高度位置H（最大）：0.05 m

100英寸银幕大小（2.54 m）（水平：2.15 m × 垂直：1.35 m）

- 投影距离L：2.65 m - 4.24 m
- 投影银幕高度位置H（最小）：−1.14 m
- 投影银幕高度位置H（最大）：0.06 m

120英寸银幕大小（3.05 m）（水平：2.58 m × 垂直：1.62 m）

- 投影距离L：3.18 m - 5.09 m
- 投影银幕高度位置H（最小）：−1.37 m
- 投影银幕高度位置H（最大）：0.08 m

150英寸银幕大小（3.81 m）（水平：3.23 m × 垂直：2.02 m）

- 投影距离L：3.98 m - 6.36 m
- 投影银幕高度位置H（最小）：−1.71 m
- 投影银幕高度位置H（最大）：0.10 m

200英寸银幕大小（5.08 m）（水平：4.31 m × 垂直：2.69 m）

- 投影距离L：5.30 m - 8.48 m
- 投影银幕高度位置H（最小）：−2.28 m
- 投影银幕高度位置H（最大）：0.13 m

投影距离公式

D：银幕大小（英寸）
例如）如果银幕大小是80英寸，则为D输入80。
H：从镜头中心到银幕底边的高度

公式1（单位：m）

- 投影距离L（最小）：L = 0.026483 × D + 0.0001
- 投影距离L（最大）：L = 0.042417 × D + 0.0000

公式2（单位：m）

- 投影银幕高度位置H（最小）：H = –0.011443 × D
- 投影银幕高度位置H（最大）：H = 0.000673 × D

相关主题

- 投影距离

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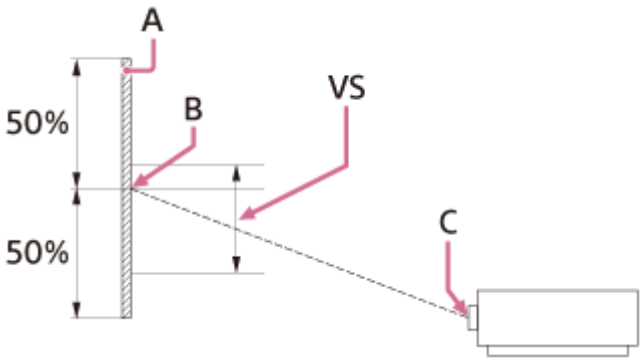
镜头移位范围

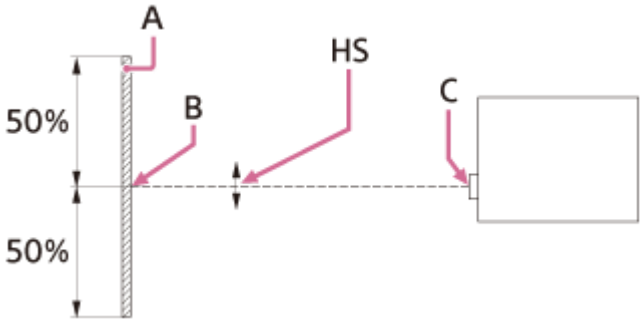
镜头移位范围是指镜头从投影图像的初始位置起可以移位的距离，用百分比（%）表示，投影图像的总宽度或总高度视为100%。

侧视图



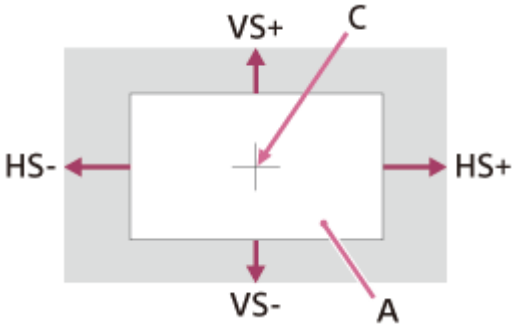
A：投影图像
B：投影图像中心
C：镜头中心
VS：镜头移位范围

顶视图



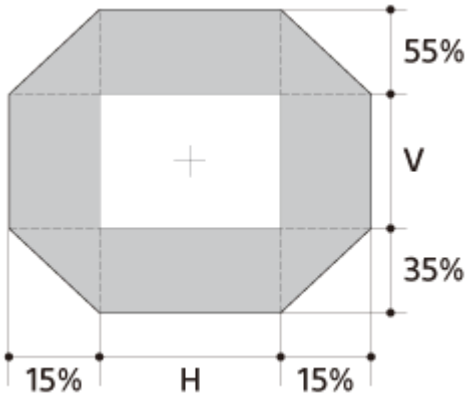
A：投影图像
B：投影图像中心
C：镜头中心
HS：镜头移位范围

镜头移位范围



A：投影图像

C：图像中心
阴影区域：镜头移位范围
VS+：垂直镜头移位范围（向上）[%]
VS−：垂直镜头移位范围（向下）[%]
HS+：水平镜头移位范围（向右）[%]
HS−：水平镜头移位范围（向左）[%]



VS+ = 55 [%]
VS− = 35 [%]
HS+ = HS− = 15 [%]

VS+ [%] = 55 − 3.667 × (HS+ [%]或HS− [%])
VS− [%] = 35 − 2.333 × (HS+ [%]或HS− [%])
HS+ [%] = HS− [%] = 15 − 0.273 × VS+ [%]
HS+ [%] = HS− [%] = 15 − 0.429 × VS− [%]

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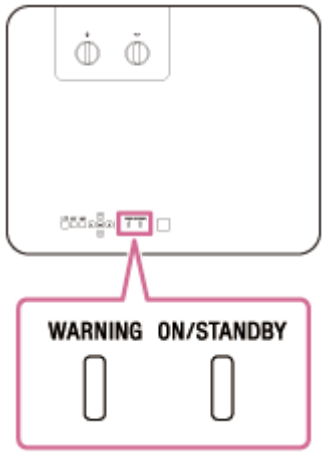
检查指示灯

通过检查ON/STANDBY指示灯和WARNING指示灯的点亮/闪烁状态，可以检查投影机状态或异常。
如果指示灯红色闪烁，遵循“警告指示和解决方法”的指示说明解决问题。

主机顶



状态指示

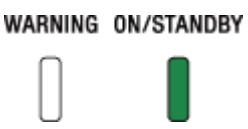
WARNING：熄灭，ON/STANDBY：红色点亮

待机模式
电源供至投影机且投影机根据设定处于待机模式。

WARNING：熄灭，ON/STANDBY：绿色闪烁

预热状态
投影机在开机后预热。

WARNING：熄灭，ON/STANDBY：绿色点亮



电源开启状态
投影机准备投影。

WARNING：熄灭，ON/STANDBY：橙色点亮

其他待机状态
投影机处于无输入（灯光关闭）状态或[扬声器设置]设定为[始终开]。

WARNING：熄灭，ON/STANDBY：橙色闪烁

更新软件
正更新投影机软件。

警告指示和解决方法

WARNING：红色闪烁，ON/STANDBY：红色点亮

闪烁次数：两次
顶盖安装不正确。
检查顶盖的安装情形。如果由于猛烈撞击使得投影机松动，请向Sony公司专业技术人员咨询。

闪烁次数：三次
投影灯未正确点亮。
拔下交流电源线插头并确保ON/STANDBY指示灯熄灭，然后将交流电源线插头插入墙上电源插座并打开投影机。

WARNING：红色闪烁，ON/STANDBY：红色闪烁

两个指示灯均闪烁

闪烁次数：两次
投影机温度异常。

- 检查空气滤网是否堵塞，然后清洁或更换。
- 检查通风孔（进气/排气）是否被墙壁或物体堵塞并留有足够空隙。
- 检查环境温度并在工作温度范围内使用投影机。

注意

- 如果指示灯以上述以外的方式闪烁，拔下交流电源线插头并确保ON/STANDBY指示灯熄灭，然后将交流电源线插头插入墙上电源插座并打开投影机。如果问题仍存在，请咨询Sony公司专业技术人员。

相关主题

- 清洁空气滤网

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信息目录

如果以下其中一条信息出现在银幕上，遵循表格中的指示说明解决问题。

信息	含义/解决方案
清洁滤网. 投影机温度过高.1分钟以后灯光熄灭.	已检测到投影机内部温度升高。 采取以下措施。 • 确认空气滤网未堵塞，清洁或更换滤网。 • 确认通风孔是否被墙壁或其他物体堵塞并留有足够空隙。 • 检查投影机的环境温度，并在可操作的温度范围内使用本机。 • 在高海拔位置使用投影机时，请正确设置高海拔高度模式。
频率在接受范围之外!	从播放设备画面设置中将信号更改为兼容投影机的信号。
请确认输入 A信号选择的设定.	将[输入 A信号选择]设定为[自动]或适合输入信号的设定。
不适用!	按下了无效键。
控制键锁定!	已设定面板键锁定。
灯光变暗	因信号无变化时的设定而使得光源输出降低时显示此信息。检测到信号变化或起作用（遥控器或控制面板）时，将恢复正常状态。

相关主题

- 部件和控制（主机）
- 部件和控制（遥控器和控制面板）
- 菜单操作：控制键锁定
- 菜单操作：输入 A信号选择
- 菜单操作：ECO
- 清洁空气滤网
- 兼容信号列表（电脑信号）
- 兼容信号列表（视频信号）

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没电

- 确认交流电源线是否插入牢固。
- 如果[控制键锁定]设为[开]，无法通过主机上的 / （开/待机）键供电。将 [操作设定]菜单中的[控制键锁定]设定为[关]。

相关主题

- 菜单操作：控制键锁定

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不显示图像

- 确认牢牢插入连接到播放设备的电缆。
- 确认电脑的输出设定设为外接显示器输出。
  对于笔记本电脑等，将输出设定到电脑LCD和外接显示器的输出信号可能使图像在外接显示器上显示不正确。如果出现这种情况，请配置电脑设定，使其仅输出到外接显示器。
- 确认输入选择正确。
- 确认未按BLANK键且未删除图像。

相关主题

- 部件和控制（遥控器和控制面板）
- 连接须知
- 投影图像

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无法连接电脑

- 检查网络设定。

相关主题

- 菜单操作：网络设定

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无画面显示

- 将 [操作设定]菜单中的[状态]设定为[开]。

相关主题

- 菜单操作：状态

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屏幕纵横比异常/画面显示小/不显示部分图像

- 有时如果确定输入信号不正确，则画面可能显示不正常。如果出现这种情况，请手动配置 [屏幕设定]菜单中的[纵横比]。

相关主题

- 菜单操作：纵横比

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梯形画面

- 如果相对于投影面以对角线进行投影，画面将显示为梯形。如果出现这种情况，可使用梯形失真校正功能修复问题。

相关主题

- 校正垂直梯形失真
- 校正水平梯形失真

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图像边缘被切掉或变暗

- 如果您以建议范围以外的设定使用镜头移位功能，图像边缘可能会被切掉或变暗。请对镜头移位功能使用正常范围以内的设定。

相关主题

- 镜头移位范围

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画面失真

- 激活角梯形失真校正设定。取消激活 [安装设定]菜单中的[四角梯形失真校正]。

相关主题

- 校正画面失真

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画面太暗/太亮

- [亮度]、[对比度]和[光源输出模式]设定将更改屏幕亮度。在 [投影设置]菜单中，确认将这些值设定为合适的值。
- 将 [连接/电源设定]菜单中[ECO]下的[有静态信号]设定为[灯光变暗]。
- 如果没有图像信号，则耗电量减少，光强降低。
- 在环境温度高的场所中使用投影机时，有时会降低亮度以保护投影机。

相关主题

- 菜单操作：对比度
- 菜单操作：亮度
- 菜单操作：光线设定
- 菜单操作：ECO

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画面模糊

- 调整聚焦。
- 如果镜头上有结露，画面会模糊不清。如果有结露，则将插头插入投影机后保持约两小时。

相关主题

- 调整屏幕聚焦
- 关于湿气凝结

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银幕噪点

- 确认牢牢插入连接到播放设备的电缆。

相关主题

- 连接须知

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无声音

- 确认牢牢插入连接到播放设备或外接音频设备的电缆。
- 确认外接音频设备配置正确。
- 如果[扬声器]设定为[关]，将没有声音输出。将 [功能设定]菜单中的[扬声器]设定为[开]。
- 如果按MUTING键使投影机静音，将没有声音输出。再按一次MUTING键。
- 确认音量未设定为最小。

相关主题

- 连接音频设备
- 菜单操作：扬声器

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遥控器无效

- 确认电池插入正确。
- 确认电池电量未耗尽。
- 检查[红外线接收器]的设定。

相关主题

- 电池插入遥控器
- 菜单操作：红外线接收器

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风扇噪音高

- 在需要冷却光源或其他组件的以下情形中，风扇发出的噪音可能变大。
  - 将 [投影设置]菜单中的[光线设定]中的[光源输出模式]设定为[标准]。
  - 正在高海拔环境中使用投影机（将 [安装设定]菜单中的[高海拔高度模式]设定为[第2层]或第1层]）。
  - 在环境温度很高的场所中使用投影机。

- 确认空气滤网未堵塞，清洁或更换滤网。
- 确认通风孔未被墙壁或其他物体堵塞并留有足够空隙。

相关主题

- 清洁空气滤网
- 安装须知

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Igor Pavlov

zlib-1.2.7
ZLIB DATA COMPRESSION LIBRARY

zlib 1.2.7 is a general purpose data compression library. All the code is
thread safe. The data format used by the zlib library is described by RFCs
(Request for Comments) 1950 to 1952 in the files
http://tools.ietf.org/html/rfc1950 (zlib format), rfc1951 (deflate format) and
rfc1952 (gzip format).

All functions of the compression library are documented in the file zlib.h
(volunteer to write man pages welcome, contact zlib@gzip.org). A usage example
of the library is given in the file test/example.c which also tests that
the library is working correctly. Another example is given in the file
test/minigzip.c. The compression library itself is composed of all source
files in the root directory.

To compile all files and run the test program, follow the instructions given at
the top of Makefile.in. In short "./configure; make test", and if that goes
well, "make install" should work for most flavors of Unix. For Windows, use
one of the special makefiles in win32/ or contrib/vstudio/ . For VMS, use
make_vms.com.

Questions about zlib should be sent to <zlib@gzip.org>, or to Gilles Vollant
<info@winimage.com> for the Windows DLL version. The zlib home page is

http://zlib.net/ . Before reporting a problem, please check this site to verify that you have the latest version of zlib; otherwise get the latest version and check whether the problem still exists or not.

PLEASE read the zlib FAQ http://zlib.net/zlib_faq.html before asking for help.

Mark Nelson <markn@ieee.org> wrote an article about zlib for the Jan. 1997 issue of Dr. Dobb's Journal; a copy of the article is available at http://marknelson.us/1997/01/01/zlib-engine/ .

The changes made in version 1.2.7 are documented in the file ChangeLog.

Unsupported third party contributions are provided in directory contrib/ .

zlib is available in Java using the java.util.zip package, documented at http://java.sun.com/developer/technicalArticles/Programming/compression/ .

A Perl interface to zlib written by Paul Marquess <pmqs@cpan.org> is available at CPAN (Comprehensive Perl Archive Network) sites, including http://search.cpan.org/~pmqs/IO-Compress-Zlib/ .

A Python interface to zlib written by A.M. Kuchling <amk@amk.ca> is available in Python 1.5 and later versions, see http://docs.python.org/library/zlib.html .

zlib is built into tcl: http://wiki.tcl.tk/4610 .

An experimental package to read and write files in .zip format, written on top of zlib by Gilles Vollant <info@winimage.com>, is available in the contrib/minizip directory of zlib.

Notes for some targets:

- For Windows DLL versions, please see win32/DLL_FAQ.txt

- For 64-bit Irix, deflate.c must be compiled without any optimization. With -O, one libpng test fails. The test works in 32 bit mode (with the -n32 compiler flag). The compiler bug has been reported to SGI.

- zlib doesn't work with gcc 2.6.3 on a DEC 3000/300LX under OSF/1 2.1 it works when compiled with cc.

- On Digital Unix 4.0D (formely OSF/1) on AlphaServer, the cc option -std1 is necessary to get gzprintf working correctly. This is done by configure.

- zlib doesn't work on HP-UX 9.05 with some versions of /bin/cc. It works with other compilers. Use "make test" to check your compiler.

- gzdopen is not supported on RISCOS or BEOS.

- For PalmOs, see http://palmzlib.sourceforge.net/

Acknowledgments:

The deflate format used by zlib was defined by Phil Katz. The deflate and zlib specifications were written by L. Peter Deutsch. Thanks to all the people who reported problems and suggested various improvements in zlib; they are too numerous to cite here.

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