

◆ New

Key Features

- ◆ Supports Full HD 1080p resolution with 3 SXRD™ 1920 x 1080 SXRD® Panels (0.61")
- ◆ BRAVIA Engine™ full digital video processing system
- ◆ BRAVIA® Theatre Sync™ technology
- ◆ Panel Alignment Adjustment Function
- ◆ Anamorphic Zoom Mode for external lens support
- Up to 35,000:1 Contrast Ratio (with Advanced Iris Auto function on)
- ARC-F (All Range Crisp Focus) Lens
- 1080/24p Input Capable (digital)
- Ultra High Pressure Lamp (200W) delivers natural, accurate color
- Advanced Iris 2 Function (Auto, On, Off)
- Low Fan Noise (22dB)
- 1.8X Zoom
- Blanking function allows the user to add an adjustable black frame over unusable portions of the image
- Noise Reduction



Key Technologies

SXRD® 1920 x 1080p Full HD Panels SXRD® is a display technology developed by the legendary television engineers at Sony to meet and exceed the demands of a High Definition image at its full 1080 line resolution. It is a 1920 x 1080p panel characterized by several key benefits -- full HD resolution, smooth film-like image with minimal screen door effects, high response times (2.5ms rise and fall), high contrast ratio with wire grid polarizers and high contrast plate and accurate color rendition.

Advanced Iris 2 The latest evolution of Sony's own Advanced Iris function uses algorithms designed to analyze the histogram of each picture along with nonlinear amplification to dynamically adjust the iris for its optimum opening. The result is a stunningly high contrast ratio of up to 35,000:1. Images in bright scenes are crisp and clear and black levels in dark scenes are deep and detailed. A manual adjustment option is also available to fix the iris opening for specific image conditions.

Ultra Quiet Fan An exclusive Sony-designed fan efficiently removes heat at a barely noticeable noise spec of 22dB. Obtrusive fan noise is virtually eliminated to allow for flexibility in room placement.

ARC-F (All Range Crisp Focus) Lens A specially developed crisp focus lens was developed to take full advantage of the full 1920 x 1080 HD resolution that the SXRD panel device offers. It offers superior resolution and focus.

RCP (Real Color Processing) Real Color Processing allows the user to target specific colors on the picture and fine adjust their color and hue without changing the overall picture's color and hue. For instance, the color of a strawberry can be fine adjusted without impacting the skin tones. Or the blue in a sky can be adjusted without affecting the color of water. And green grass can be adjusted without influencing the other colors in the picture.

BRAVIA Engine™ Video Processing System The VPL-VW60 BRAVIA® Home Cinema Projector uses Sony's BRAVIA Engine™ full digital video processor for crisp and clear images. Several special picture enhancement technologies are integrated into the processor to create better gradations with more detail, enhance contrast, and dynamically improve color performance.

> Digital Noise Reduction Circuits: Reduces block noise and mosquito noise by using pixel-level filtering to reproduce a clean and clear picture. And Motion Vector Noise Reduction reduces just the noise in the video signal for video further reducing unwanted noise and blur artifacts.

> Digital Contrast Enhancer circuit: Improves contrast by enhancing all areas from dark to bright in parallel with texture control providing a three dimensional picture.

> Color Reality signal processing enables the expression of all the colors of life in vivid detail for dark and bright scenes. Details in dark areas of the picture are there, just like they are supposed to be.

Panel Alignment Adjustment Function The VPL-VW60 is configured with a function that compensates gaps in panel alignment. It is possible to select R(Red) or B(Blue) to make adjustments based on G(Green), and to adjust the horizontal and vertical direction by shifting full image of each color.³ A crosshatch pattern is provided for this purpose. It is possible to adjust each color by 0.1 pixel steps up to 1 full pixel in each direction.

Anamorphic Zoom Mode The VPL-VW60 has an "Anamorphic zoom" mode in the wide modes to enjoy wider aspect ratio. With this mode, it is possible to create a full 2.35:1 image just like a movie theater when using commercially available external anamorphic lens.⁵

Features

General

Vertical Keystone: Yes
Standby Mode: Yes
High Altitude Mode: Off, On
Information Menu: Horizontal and Vertical frequency display
Acceptable Computer Signals: fH: 19 to 72 kHz, fV: 48 to 92 Hz, fV: 60 Hz
Input A: Auto, Computer, Component, Video GBR

Video

Video Processing: 10-bit processing
Comb Filter: Yes (3DY)
DRC[®] Palette Presets: Mode 1, Mode 2
Color System: Auto, NTSC, PAL, SECAM
Vertical Position: Yes
Wide Mode: Anamorphic Zoom / Wide Zoom / Normal / Full / Zoom
Display Technology: SXRDR[®] Technology
High Definition: Yes (Full HD 1080)
Horizontal Size: Yes
Dot Phase: Yes
Picture Shift Function: Via Lens Shift: H +/- 0.65; V +/- 0.067
Title Area Control: Yes
Film Mode: Yes
Acceptable Video Signals: 15 kHz (RGB/Component) 50/60Hz, Progressive component 50/60 Hz, DTV (480/60i, 575/50i, 480/60p, 575/50p, 720/60p, 720/50p, 1080/60i, 1080/50i, 1080/60p - DVI and HDMI inputs only, 1080/50p - HDMI inputs only, Composite video, Y/C video.
Micro Display Type: 0.61" SXRDR[®] chip (2,073,600 pixels per chip. 6,220,800 total pixels)

Convenience

Multiple Language Display: 15 languages (including English, French, Spanish, German and Chinese)
Power Save Mode: On, Off
Auto Input Search: Yes
Test Pattern: Yes
Image Flip: HV, H, V, Off
IR Receiver: Front & Rear, Front, Rear
Illumination: Off, On

Specifications

General

Aspect Ratio: 16:9
Lens: f1 8.7 to 33.7 mm (x 1.8 zoom)/F2.54 to 3.53 mm

Projection Picture Size: 40" to 300" measured diagonally
Television Type: Front Projection

Video

Native Resolution: 1080p
Contrast Ratio: Up to 35000:1 (with Advanced Iris Auto ON)
Display Resolution: 1920 x 1080
Overscan: Yes

Inputs and Outputs

Component Video (Y/Pb/Pr) Input(s): 1 (Side)
Composite Video Input(s): 1 (Side) Vp-p +/- 2 dB sync negative (75 ohms terminated)
S-Video Input(s): Y/C mini DIN 4-pin type, Y (luminance): 1 Vp-p +/- 2 dB sync negative (75 ohms terminated) C (chrominance): burst 0.286 1 Vp-p +/- 2 dB (NTSC) sync negative (75 ohms terminated) burst 0.3 1 Vp-p +/- 2 dB (PAL) sync negative (75 ohms terminated)
PC Video Input(s): D-Sub15 and HDMI² (Side) fH: 19 to 72kHz / fV: 48 to 92 Hz / Maximum resolution (HDMI only): 1920 x 1080 fV: 60Hz
HDMI[™] Connection(s): 2 (Side) Digital RGB/Y/Cb(Pb)Cr(Pr) with PC timing support¹
Remote Network Connection(s): 1 (Side) RS-232C: D-sub 9-pin (female)
RS232 Control: Remote Connector
Component/Progressive: DTV (480/60i, 575/50i, 480/60p, 575/50p, 720/60p, 720/50p, 1080/60i, 1080/50i), 1080/60p (HDMI), Composite video, Y/C video
12V Trigger Input(s): 1 (1 Side) Mini Jack - Power On: DC 12V, output impedance: 4.7 kilohms Power Off: 0V

Power

Power Consumption (in Operation): 300W
Power Consumption (in Standby): 8W; 0.5W in low mode
Power Requirements: AC 100-240V, 1.3-3A, 50/60Hz

Service and Warranty Information

Limited Warranty: Product Warranty - 2 Years Parts and Labor except the lamp. Lamp Warranty - 90 Days from date of purchase.

Dimensions

Weight: 24.25lbs (11kg)
Measurements: 15.55 x 6.83 x 18.56" (395 x 173.5 x 471.4mm)

Operating Conditions

Operating Temperature: 5°C to 35°C (41°F to 95°F)
Operating Humidity: 35% to 85% (no condensation)

Supplied Accessories

Remote Control (RM-PJVV60)
Instruction Manual
AC Cord
CD ROM (Image Director 3)
Lens Cap
Size AA (R6) batteries x2

Optional Accessories

Ultra High Pressure Replacement Lamp (LMP-H200)
Black Ceiling Mount (PSS-610)

Color: Black Metallic

UPC Code: 027242714960

1. For supported resolutions and timing please refer to user manual.
2. Limited to resolutions supported by both the PC and the Sony TV. See Sony TV users manual and PC documentation for supported resolutions
3. Depending on the adjustments made, the number of display pixel may decrease. Also, colors may become uneven or the resolution may change.
4. In color appear on the edge of the screen after making the adjustment, it is necessary to adjust the region of the picture to display with "Blanking" in the Installation menu.
5. Anamorphic lens is not available from Sony.

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Features and specifications are subject to change without notice. Non-metric weights and measures are approximate.
Retail prices may vary



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