

◆ New

Key Features

- ◆ Supports Full HD 1080p resolution with 3 SXR™ 1920 x 1080 SXR™ Panels (0.61") High Frame Rate Acceptable
- ◆ BRAVIA Engine™ full digital video processing system
- ◆ BRAVIA® Theatre Sync™ technology
- ◆ Panel Alignment Function
- ◆ Anamorphic Zoom Mode
- ◆ Motionflow™ 120Hz High Frame Rate Technology
 - Up to 35,000:1 Contrast Ratio (with Advanced Iris function on)
 - ARC-F (All Range Crisp Focus) Lens
 - 1080p Input



Key Technologies

SXR™ 1920 x 1080p Full HD Panels SXR is a new 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 (5ms rise and fall), high contrast ratios and accurate color rendition.

400W Pure Xenon Lamp A special 400W pure Xenon lamp provides equal brightness output levels for all three primary colors - red, green and blue, used to create the trillions of colors that can be delivered. Natural and accurate color is reproduced with bottomless whites and spectacular reds.

Advanced Iris 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.

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 SXR 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-VW200 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 Function The VPL-VW200 is configured with a function that compensates gaps in character or color management. 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.^{2, 3}

Anamorphic Zoom Mode The VPL-VW200 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 anamorphic lens.⁴

Motionflow™ 120Hz High Frame Rate Technology Taking motion performance to the next level requires innovation and expertise. Enter Sony's Motionflow™ High Frame Rate technology. Motionflow™ detects the incoming video signal and applies the appropriate processing for optimum motion reproduction. Taking full advantage of film sourced 24fps encoded content available on DVD and Blu-ray Disc, Motionflow™ eliminates the need for 3:2 pulldown and delivers smooth, judder free video, faithfully preserving the integrity of the original film. When 60fps content is detected, Motionflow™ doubles the amount of frames and uses real-time calculation to create a new level of natural motion reproduction. You'll experience movies and sports with a greater sense of realism than ever before.

Features

General

Vertical Keystone: Yes
Standby Mode: Yes
Lens Control: Off, On
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® MultiFunction Circuitry: Yes (DRC®-MFv2.5)
DRC® Mode: Mode 1, Mode 2, Off
DRC® Palette Presets: Mode 1, Mode 2
Color System: Auto, NTSC, PAL, SECAM
Vertical Position: Yes
Wide Mode: Wide Zoom/ Normal/ Full/ Zoom
Display Technology: SXR™ Technology
High Definition: Yes (Full HD 1080)
Horizontal Size: Yes
Dot Phase: Yes
Picture Shift Function: Yes
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, 1080/50p, 1080/60p, 1080/24p - HDMI input only; Composite video, Y/C video.
Micro Display Type: 0.61" chip (2,073,600 pixels per chip, 6,220,800 total pixels) High Frame Rate Acceptable

Convenience

Multiple Language Display: 16 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: fl 8.7 to 33.7 mm/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): 1 (Side)¹ fH: 19 to 72kHz / fV: 48 to 92 Hz / Maximum resolution: 1920 x 1080 fV: 60Hz
HDMI™ Connection(s): 2 (Side) Digital RGB/Y/Cb(Pb)Cr(Pr)
Remote Network Connection(s): 1 (Side) RS-232C: D-sub 9-pin (female) RJ-45 10 BASE-T/100BASE-TX (For gamma adjustment using included ImageDirector2 software.)
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 (DVI and HDMI channel only), Composite video, Y/X 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): 650W
Power Consumption (in Standby): 10W (Standby 1), 7W (Standby2)
Power Requirements: AC 100-240V, 2.7-6.5A, 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: 44lbs (20kg)
Measurements: 19 1/2 x 6 7/8 x 22 5/8" (496 x 175 x 574mm)

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-PJW200)
Instruction Manual

Optional Accessories

Xenon Replacement Lamp (LMP-H400)
White Ceiling Mount (PSS-H10)

Color: Silver

UPC Code: 027242714953

- Limited to resolutions supported by both the PC and the Sony TV. See Sony TV users manual and PC documentation for supported resolutions.
- Depending on the adjustments made, the number of display pixel may decrease. Also, colors may become uneven or the resolution may change.
- 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.
- Anamorphic lens is not available from Sony.

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