

Key Features

- Supports Full HD 1080p resolution with 3 SXR™ 1920 x 1080 SXR™ Panels (0.61")
- Up to 15,000:1 Contrast Ratio (with Advanced Iris Auto function on)
- 900 Lumens Brightness
- 1080/24p Input Capable
- 24p True Cinema
- ARC-F (All Range Crisp Focus) Lens
- 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
- Lens Shift
- RCP (Real Color Processing) Function (User 1, 2, 3 and Off)
- HD I/P Converter
- 12-bit Panel Drive Full Digital Chassis
- 3D Comb Filter
- HDMI™ Connectors (x2) with PC timing support¹



Key Technologies

SXR™ 1920 x 1080p Full HD Panels SXR 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 ratios and accurate color rendition.

BRAVIA Engine™ Video Processing System The VPL-VW40 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.

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 15,000:1. 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 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.

VPL-VW40

SXRD™ 1080P Home Theater Front Projector

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® Palette Presets: Mode 1, Mode 2
Color System: Auto, NTSC, PAL, SECAM
Vertical Position: Yes
Wide Mode: Wide Zoom/ Normal/ Full/ Zoom
Display Technology: SXRD™ 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: Composite video, Y/C video, 15 kHz (RGB/Component) 50/60Hz, Progressive Component 50/60 Hz, 480/60i, 480/60p, 575/50i, 575/50p, 720/50p, 720/60p, 1080/50i, 1080/50p, 1080/60i, 1080/60p
Micro Display Type: 0.61" 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/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 15000:1 (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) RJ-45 10 BASE-T/100BASE-TX (For gamma adjustment using included ImageDirector3 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): 300W
Power Consumption (in Standby): 8W
Power Requirements: AC 100-240V, 1.3-3A, 50/60Hz

Service and Warranty Information

Limited Warranty: Product Warranty - 1 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

AC Cord
CD ROM (Image Director 3)
Lens Cap
Size AA (R6) batteries x2

Optional Accessories

Ultra High Pressure Replacement Lamp (LMP-H200)
White Ceiling Mount (PSS-H10)

Color: White
UPC Code: 027242732025

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

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Features and specifications are subject to change without notice. Non-metric weights and measures are approximate.
Retail prices may vary
Lamp in this product contains mercury. Disposal of these materials may be regulated due to environmental considerations. For disposal or recycling information, please contact your local authorities or the Electronic Industries Alliance (www.eiae.org)

Please visit the Dealer Network for current information at www.sony.com/dn

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