

Key Features

- Full HD 1080p with 3 SXRD™ 1920x1080 Panels
- Up to 60,000:1 Contrast Ratio² (Advanced Iris On)
- Brightness of 800 ANSI lumens³
- 200W Ultra-High-Pressure Lamp
- BRAVIA Engine™ 2 fully digital video processing
- Advanced Iris 2
- 24p True Cinema™
- x.v.Color™⁴
- Deep Color
- ARC-F (All Range Crisp Focus) Lens
- Noise reduction functions
- Panel Alignment function (Shift & Zone)
- Anamorphic Zoom Mode
- 1.6x Zoom Lens



Key Technologies

Full HD 1080p with 3 SXRD™ 1920 x 1080 Panels Three SXRD™ 1920 x 1080p micro-display panels support Full HD 1080p resolution for an impressive combination of vivid color, film-like image quality, and high-definition brilliance. Enjoy cinematic-quality images.

200W Ultra-High-Pressure Lamp A 200W Ultra-High-Pressure Lamp delivers natural color with a brightness of 800 ANSI lumens³.

BRAVIA Engine™ 2 BRAVIA Engine 2 fully digital video processor uses a collection of unique Sony® algorithms to significantly reduce noise, enhance overall image detail, and optimize contrast so every scene produces sharp, vibrant, life-like images.

Advanced Iris 2 The Advanced Iris 2 function provides up to a 60,000:1 contrast ratio² by optimizing both dark and bright scenes to produce deep black levels with stunning details.

24p True Cinema™ 24p True Cinema technology provides a direct connection to 24p video sources so you can avoid conversions and enjoy films at their intended 24 fps (frames per second).

x.v.Color™ x.v.Color technology takes HD color expression to new levels. When connected to x.v.Color capable video sources, such as select Sony® camcorders, the VPL-VW70 can display nearly twice as many (1.8x) viewable colors as the existing RGB color standard, resulting in more natural, life-like images.

Deep Color By combining a 10-bit processor with 10-bit SXRD™ panels, the VPL-VW70 can create and display 64 times the level of color expression of 8-bit projectors, resulting in smoother color gradations and helping to avoid a “paint-by-numbers” look.

ARC-F (All Range Crisp Focus) Lens A specially developed ARC-F (All Range Crisp Focus) lens takes full advantage of the SXRD™ panels to deliver Full HD 1080p resolution with superior clarity and focus.

Noise reduction functions The VPL-VW70 features noise reduction functions that analyze scenes in real time to identify various types of noise and reduce unwanted artifacts, such as mosquito noise and block noise, without compromising the video signal.

Panel Alignment function A Panel Alignment function enables pixel alignment to within 1/10th of a pixel⁶, making it possible to shift the entire picture or specific zones to adjust for color gaps and produce a brighter, clearer, and more detailed picture.



Features

General

Vertical Keystone: 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: 15 Pin Auto, Computer, Component, Video GBR

Display

Display Technology: SXRD™ Technology

Video

Video Processing: Yes (BRAVIA Engine 2™)
 Vertical Position: Yes
 Dot Phase: 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; DTV (480/60i, 480/60p, 575/50i, 575/50p, 720/50p, 720/60p, 1080P24sF(48i), 1080/50i, 1080/50p, 1080/60i), HDMI inputs only: 1080/60p, 1080/24p
 10-bit Video Processing: Yes
 3D Comb Filter: Yes
 x.v.Color™ Technology: Yes
 Lens Shift Function: Via Lens Shift
 Vertical Size: Yes

Convenience

Multiple Language Display: 15 languages (including English, French, Spanish, German and Chinese)
 Auto Input Search: Yes
 Test Pattern: Yes
 Image Flip: HV, H, V, Off
 IR Receiver: Front & Rear, Front, Rear
 Illumination: Logo (Off, On)
 Remote Control: Yes (RM-PJW70)

Specifications

General

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

Display

Screen Size (measured diagonally): 40" to 300" measured diagonally (projected)
 Native Resolution: 1080p
 Display Resolution: 1920 x 1080 (Full HD)
 Aspect Ratio: 16:9

TV System

Color System: Auto, NTSC, PAL, SECAM

Video

Contrast Ratio: Up to 60,000:1 (with Advanced Iris Auto ON)
 Brightness: 800 Lumens

Inputs and Outputs

Component Video (Y/Pb/Pr) Input(s): 2 (Side): 1 (RCAx3), 1 (15 Pin HD)
 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): Yes

Remote Network Connection(s): 1 (Side) RS-232C: D-sub 9-pin (female)
 HDMI™ Connection(s) (Total): 2 (Side) Digital RGB/Y/Cb (Pb)Cr(Pr) with PC timing support¹
 RS-232C Input(s): Yes
 12V Trigger Output(s): 2 Mini Jack - Power On: DC 12V, output impedance: 4.7 kilohms Power Off: 0V

Power

Power Consumption (in Operation): 320W max
 Power Consumption (in Standby): 8W; 0.5W in low mode
 Power Requirements: AC 100-240V, 1.4-3.2A, 50/60Hz

Operating Conditions

Operating Temperature: 5°C to 35°C (41°F to 95°F)
 Operating Humidity: 35% to 85% (condensation)

Service and Warranty Information

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

Dimensions

Weight: 26 lbs
 Measurements: 16 1/8 x 7 1/8 x 18 3/8 in

Supplied Accessories

Remote Control (RM-PJW70)
 Instruction Manual
 AC Cord
 CD ROM (Image Director 3)
 Size AA (R6) batteries x2

Optional Accessories

Ultra High Pressure Replacement Lamp (LMP-H201)
 Black Ceiling Mount (PSS-H10)

UPC Code: 027242754416

1. Anamorphic lens is not available from Sony®.
2. 60,000:1 contrast ratio achieved with Advanced Iris Auto ON.
3. ANSI lumens is a measuring method of the American National Standards Institute IT7.228. Since there is no uniform method of measuring brightness, specifications will vary among manufactures.
4. When used with supporting video sources such as select Sony camcorders.
5. Pixel convergence to 1/10th inch is calculated as ±2.0 dot by 0.1 dot pitch. Depending on the adjustments made, the number of display pixels may decrease. Also, colors may become uneven or the resolution may change.
6. BRAVIA Sync™ works with select Sony® HDTVs, front projectors, and home theater products. Check owners' manuals for compability.

© 2009 Sony Electronics Inc. All rights reserved. Reproduction in whole or in part without written permission is prohibited.
 Sony, HDNA, BRAVIA, BRAVIA Engine, Remote Commander, SXRD, 24p True Cinema, x.v. Color, Handycam and their respective logos are trademarks of Sony. HDMI, the HDMI logo, and High-Definition Multimedia Interface are trademarks of HDMI Licensing LLC. Blu-ray Disc is a trademark. All other trademarks are trademarks of their respective owners.
 Non-metric weights and measurements are approximate and may vary.