

VPL-VW90ES

Key Features

- Active 3D Front Projector with 2D to 3D upconversion
- Supports Frame Packing, Side by Side, and Over Under formats
- Full HD 1080p with 3 NEW SXRD™ 1920 x 1080 Panels
- Brightness of 1000 ANSI lumens
- 150,000:1 Dynamic Contrast
- Supports Deep Color , x.v.Color, and 24p True Cinema
- Built in IR transmitter for 3D / supports wired 3D transmitter accessory
- Anamorphic mode (2D Only)
- 144 zone panel alignment
- Motorized zoom / shift / focus



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 1000 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 3 The Advanced Iris 3 function provides up to a 150,000:1 Dynamic contrast ratio² by optimizing both dark and bright scenes to produce deep black levels with stunning details.

Motionflow™ 240Hz Panel Drive with Dark Frame Insertion Technology Doubles the frame rate in video sources to reduce judder and deliver a smoother more natural viewing experience.

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-VW85 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-VW90ES 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-VW90ES 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 pixel, 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.

VPL-VW90ES

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

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)
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): Mini Jack - Power
On: DC 12V, output impedance: 4.7
kilohms Power Off: 0V (Selectable-
Power/Anamorphic zoom)
3D Sync: 1 (Side) RJ45
IR Input(s): 1 (Side)

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

Service and Warranty Information

Limited Warranty Term: Product Warranty -
Limited 3 Years Parts and Labor except
the lamp. Lamp Warranty - 90 Days from
date of purchase.

Video

Contrast Ratio: Up to 150,000:1 (with
Advanced Iris Auto 1 ON)
Brightness: 1000 Lumens

Dimensions

Weight: 26.5 lbs
Measurements: 18 5/8 x 7 1/8 x 19 in

Supplied Accessories

Remote Control (RM-PJVV85)
Instruction Manual
AC Cord
CD ROM (Image Director 3)

Size AA (R6) batteries x2
(2) 3D Glasses with Filter attachments

Optional Accessories

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

UPC Code: 027242774346

1. Anamorphic lens is not available from Sony®.
2. 150,000:1 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.

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Non-metric weights and measurements are approximate and may vary.