SONY

VPL-HW45ES

Economical Full HD Home Theater ES Projector with Reality Creation, 3D

Create a spectacular cinematic experience in your own home. The VPL-HW45ES is packed with technology developed for our professional Digital Cinema projectors, including SXRD panels and Advanced Reality Creation upscaling technology for fabulously detailed Full HD images. With 1,800 lumen brightness and a compact design, it's the perfect choice for unforgettable home entertainment.

Bullets

- Full HD resolution 3-chip imaging system
- 1,800 ANSI lumen brightness
- Reality Creation super resolution processing
- MotionFlow™ Technology to reduce image blur in fast moving scenes
- 6,000 hour rated lamp life
- RF-type industry-standard active 3D emitter built in

- Nine customizable picture modes
- Dynamic lamp control technology improves 3D brightness
- Whisper-quiet fan at only 22db emitted
- Three-year limited warranty
- Input lag reduction mode for more responsive gaming

Features

Spectacular Full HD pictures with Advanced Reality Creation

Advanced SXRD® panel technology is teamed with Advanced Reality Creation - Sony's Super Resolution processing technology that refines subtle details, colors and textures. You'll see the difference with crisp, sharp Full HD pictures that take you closer than ever to the original 1080p source.

High brightness and high contrast ratio

With an impressive 1,800 lumens brightness and high contrast ratio, Full HD images are clear and with bright highlights and rich, deep blacks – even in well-lit rooms.

Smooth, fluid on-screen action

Coupled with the panel's super-fast response rate, Motionflow™ technology means you'll see every detail with minimal blur - no matter how fast the action.

Long-lasting lamp

Up to 6000 hour[3] rated lamp operating life (in Low mode) means simpler maintenance, with fewer lamp swaps and reduced running costs.

Flexible home installation with wide zoom and shift lens

The manual zoom lens with a 1.6x zoom ratio and wide lens shift range gives greater installation flexibility in any room size, even with high ceilings.

Industry standard RF 3D compatible

The projector's built-in RF transmitter synchronizes with compatible Sony and 3rd party RF 3D glasses for wider coverage and greater stability, so there's no need for an external transmitter.

Cinema-like 3D brightness

Sony's dynamic lamp control technology and rechargeable 3D glasses work together perfectly to establish vibrant, cinema-quality brightness levels on your favorite 3D movies and shows.[1]

Whisper-quiet fan

Forget that the projector is even in the room due to the advanced air discharge system. Sony's whisper-quiet fan emits only 22db during show time.

Powerful picture calibration features

Quickly calibrate your picture to the type of content you're enjoying with nine unique modes including a variety of cinema, gaming, photo and user customizable pre-sets.

USB updates

You're always up to date with the latest features and firmware updates via the projector's USB port.

Three-year limited warranty

All Sony Elevated Standard (ES) projectors enjoy three-year limited warranties.

Front-facing fan

With the fan exhaust positioned at the front of the projector, you don't need to worry about wall clearance and room for air intake/exhaust when installing. This helps maximize throw distance, for the biggest possible projected images.

Specifications

Display		
Display	Screen Size	40" to 300" (1,016 mm to 7,624 mm)
General		
General	LCD Panel	SXRD panel, 0.61" x 3 effective display area size, 6,220,800 (1920 x 1080 x 3) pixels
	Lens	1.6x Manual Zoom; Manual Shift: V:+/-71% / H:+/-25%
General Features		
General Features	Acceptable Computer Signals	fH: 19 to 72 kHz, fV: 48 to 92 Hz
	Lamp Replacement Time (Recommended)	6000 H (Lamp mode: Low)
Inputs and Outputs		
Inputs and Outputs	HDMI™ Connection(s)	HDMI1 / HDMI 2: Digital (RGB/Y Pb/Cb Pr/Cr)
	IR Input(s)	Yes (mini jack)
	RS-232C Input(s)	Yes (D-sub 9-pin (female))
	USB	DC 5V, Max. 500 mA
Installation Features		
Installation Features	Focus	Yes (Manual)
	Shift	Yes (Manual)
	Shift Range	V: +/- 0.71V; H: +/- 0.25H
	Ultra Low Fan Noise	22 dB
	Zoom	Yes (Manual) 1.6x
Operating Conditions		
Operating Conditions	Operating Humidity	35 to 85% (no condensation)
	Operating Temperature	41°F to 95°F (5°C to 35°C)
	Storage Humidity	10 to 90% (no condensation)
	Storage Temperature	-4°F to +140°F (-20°C to +60°C)
Optional Accessories		
Optional Accessories	Replacement Lamp	LMP-H210
Other		
	Environmental Notice	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 see www.sony.com/mercury for additional information.
Power		

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Power	Power Consumption (in Operation) max.	AC 100 V to 120 V: 310 W AC 220 V to 240 V: 310 W
	Power Consumption (in Standby)	Standby Mode: AC 100 V to 120 V: 0.4 W (when "Remote Start" is set to "Off") AC 220 V to 240 V: 0.4 W (when "Remote Start" is set to "Off") Networked Standby Mode: AC 100 V to 120 V / AC 220 V to 240 V: 1.0 W (LAN) (when "Remote Start" is set to "On") Networked Standby Mode Activated: After about 10 Minutes
	Power Requirements	AC 100 V to 240 V, 3.1 A to 1.3 A,50/60 Hz
Video		
Video	Brightness	Light output: 1800 lm (Lamp mode: High) *2 *2 The values are estimate.
Video Features		
Video Features	Acceptable Video Signals	Computer signal input: 1920 x 1080 dots (HDMI Input only) (Max. display resolution) Video signal input: 480/60p, 576/50p, 720/60p, 720/50p, 1080/60i, 1080/50i, 1080/60p (HDMIinput only), 1080/50p (HDMI inputonly), 1080/24p (HDMI input only)
Weights and Measurements		
Weights and Measurements	Dimensions (Approx.)	16 1/8 x 7 1/8 x 18 3/8 in (407.4 x 179.2 x 463.9 mm) (W x H x D) (without protrusions)
	Weight (Approx.)	20 lbs. (9 kg)
Accessories		
Accessories	Supplied Accessories	RM-PJ28 Remote Commander (1) Size AA (R6) Manganese Batteries (2) AC Power Cord (1) Lens Cap (1) Operating Instructions (CD-ROM) (1) Quick Reference Manual (1)

1. Requires 3D content, 3D player, 3D glasses (included), and HDMI® cable (at least 10.2 Gbps).

2. Simulated 3D image will vary based on source content.

3. Approximate recommended period, in low mode.

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