

VPL-VW5000ES

Sony 4K Home Theater Laser Projector

The world's most advanced 4K projector designed specifically for home theater use. Enjoy 5,000 lumens of brightness, HDR compatibility, and the ability to simulate the new ITU-R BT2020 color gamut on top of the full DCI color space. For home installations with larger screens, this projector is the truly the ultimate home cinema display.



Bullets

- Native 4K resolution for immersive experience
- 5,000 lumens brightness and infinite dynamic contrast
- Wide color space covers full DCI-P3 range and emulates BT2020
- High Dynamic Range (HDR) compatible
- Motionflow (HFR) in 4K signals for smoother images
- HDMI 2.0 and HDCP 2.2 compatible for enjoying up-to-date 4K content services
- HD to 4K upscaling turns your HD content into a 4K experience
- 20,000 hours virtually maintenance free operation
- Built in RF 3D transmitter
- Powered zoom lens with wide lens shift and lens memories

Features

Cinematic 4K clarity with four times the detail of Full HD

SXRD panel technology featured in our professional cinema projectors delivers native 4K (4096 x 2160) resolution images, with no artificial pixel enhancement. Every detail is clear and natural, without jagged edges or visible pixels.

Very high brightness and contrast

With an amazing 5,000 lumens brightness and infinite dynamic contrast range, 4K images are clear with bright highlights and rich, deep blacks even in well-lit rooms.

Wide color space for more natural colors

Sony's display technology covers the full DCI-P3 range and emulates ITU-R BT2020 to accurately reproduces a much broader range of colors than a standard projector system. You'll see the difference with finely-reproduced tones and textures plus greater color purity, depth and realism.

HDR Compatible

Take full advantage of the latest content produced with HDR (High Dynamic Range) for extremely wide contrast with an even higher range of brightness levels.

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, even with 4K signals.

Future-proofed support for latest standards

The VPL-VW5000ES can project content at up to 60 frames per second (fps) in 4K (at color signal YCbCr 4:4:4 8-bit or YcbCr 4:2:2 12-bit) for even smoother images with superior color and realism. Support for HDCP 2.2 lets you enjoy the latest 4K content services.

Virtually maintenance-free operation

Laser-based light source provides 20,000 hours of virtually maintenance-free operation for constant picture quality and reduced running costs.

Reality Creation upscales movies to 4K

As well as projecting native 4K content, the VPL-VW5000ES upscales your Full HD Blu-ray™ or DVD movie collection to 4K with Reality Creation Sony's Super Resolution processing technology that enhances lower-resolution content, and even upscales 3D movies to 4K resolution.

Compatible with 'Mastered in 4K' Blu-ray™

Enjoy a near-native 4K experience with discs 'Mastered in 4K'. It's as close as you can get to the 4K-pixel resolution and expanded color range of the original.

Picture position memories

Memorizes up to five zoom lens positions for future viewing. Stored settings can be matched to a movie's aspect ratio, including 16:9 and Cinemascope.

Flexible home installation with wide zoom and shift lens

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

Built-in auto calibration

Maintaining original factory color calibration is quick and easy thanks to built in camera.

Industry standard RF 3D compatible

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

3-year limited warranty

All Sony Elevated Standard (ES) projectors enjoy 3-year limited warranties.

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

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

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Technical Specifications

Display System	
● Display System	4K SXRD panel projection system
Display Device	
● Size of effective display area	0.74" x 3
● Number of pixels	26,542,080 (4096 x 2160 x 3) pixels
Projection lens	
● Focus	Powered
● Zoom	Powered
● Lens shift	VPLL-Z7013 (Bundled): Powered V ± 80%, H ± 31% VPLL-Z7008 (Optional): Powered V ± 50%, H ± 18%
● Throw ratio	VPLL-Z7013 (Bundled): 1.27 to 2.73:1 VPLL-Z7008 (Optional): 0.8:1 to 1.02:1
Light source	
● Light source	Laser diode
Light output	
● Light output	5,000 lm
Color light output	
● Color light output	5,000 lm
Contrast ratio	
● Contrast ratio	∞:1 (dynamic contrast)
Accepted digital signals *1	
● Accepted digital signals *1	VGA, SVGA, XGA, WXGA(1280x768), Quad-VGA, SXGA, 720x480/60p, 720x576/50p, 1280x720/50p, 1280x720/60p, 1920x1080/50i, 1920x1080/60i, 1920x1080/24p, 1920x1080/50p, 1920x1080/60p, 3840x2160/24p, 3840x2160/25p, 3840x2160/30p, 3840x2160/50p, 3840x2160/60p, 4096x2160/24p, 4096x2160/25p, 4096x2160/30p, 4096x2160/50p, 4096x2160/60p
Color bit depth	
● Color bit depth	Up to 12 bit via HDMI
Input / Output	
● HDMI1/HDMI2 *	Digital (RGB/Y Pb/Cb Pr/Cr)
● TRIGGER1/TRIGGER2	Mini jack, DC 12 V Max. 100 mA
● REMOTE	RS-232C, D-sub 9-pin (female)
● LAN	RJ45, 10BASE-T/100BASE-TX
● IR IN/OUT	IN:1, OUT:1, Mini jack
● USB	Type A
Acoustic noise	
● Acoustic noise	30dB ~ 35dB *3

Operating temperature / Operating humidity	
● Operating temperature / Operating humidity	5°C to 40°C (41°F to 104°F) / 20% to 80% (no condensation)
Storage temperature / Storage humidity	
● Storage temperature / Storage humidity	-10°C to +60°C (14°F to +140°F) / 20% to 80% (no condensation)
Power requirements	
● Power requirements	AC 220 V to 240 V, 6 A, 50/60 Hz (For Europe and China) AC 100 V to 240 V, 12 A to 6 A, 50/60 Hz (For the other countries)
Power consumption	
● Power consumption	MAX. 1.2 kW
Power consumption (Standby)	
● Power consumption (Standby)	0.5 W
Heat dissipation	
● Heat dissipation	4092 BTU/h
Dimensions (WxHxD) (without protrusions)	
● Dimensions (WxHxD) (without protrusions)	550 x 228 x 750 mm / 21.6 x 9.0 x 29.5 inch
Mass	
● Mass	Approx. 43 kg / 94 lb (including standard lens) Approx. 40 kg / 88 lb (excluding standard lens)
Supplied accessories	
● Supplied accessories	VPLL-Z7013 (Standard lens) RM-PJ24 Remote Commander Size AA (R6) Manganese Batteries (2) AC Power Cord (1) Plug holder (1) Operating Instructions (CD-ROM)(1) Quick Reference Manual (1)
Optional accessories	
● Optional accessories	TDG-BT500A (3D glasses) VPLL-Z7008 (Short Throw Lens)
Notes	
● *1	60p,30p,24p include 59.94/60Hz, 29.97Hz/30Hz, 23.98Hz/24Hz
● *2	Both HDMI inputs are compatible with HDCP 2.2.
● *3	This will depend on the environment and how the projector is used.