

VPL-VW5000ES

4K SXR D Home Cinema Projector with laser light source and 5000 lumen brightness



Overview

The world's most advanced Home Cinema Projector: spectacular brightness and native 4K clarity

It's an unforgettable experience, whatever you're watching. An ideal match for the largest and most lavishly equipped home cinema rooms, the VPL-VW5000ES brings movies to life with extraordinary cinematic detail, colour and contrast.

The world's most advanced home cinema projector combines an advanced laser light source with the same Sony 4K SXR D panel technology that's found in our professional cinema projectors. Crisply detailed native 4K images (4096 x 2160) offer four times the resolution of Full HD, pulling you right into the heart of the action with unprecedented clarity. You'll experience fabulously rich cinematic colours, smooth motion and spectacular contrast. Extremely powerful 5000 lumen brightness ensures wonderfully clear and sharp big-screen pictures, even in well-lit rooms.

The ultra-pure, highly efficient laser light source provides virtually maintenance free operation with no lamp swaps. As well as spectacular picture quality and reliability, you'll enjoy reduced operating costs compared with conventional projection systems, plus less worry of lamp failure half way through the show.

You're future-proofed with compatibility for the latest 4K standards, including High Frame Rates and HDR (High Dynamic Range) - so you'll get the very best out of today's content, and tomorrow's. With flexible installation, simple setup, fuss-free auto calibration and low-noise operation, the VPL-VW5000ES 4K Home Cinema Projector puts you in control of the ultimate entertainment experience.

Features

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

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

Very high brightness and contrast

With an impressive 5,000 lumen brightness and a spectacularly high contrast range, 4K images are clear and bright with sparkling highlights and rich, deep blacks - even in well-lit rooms.

Long-lasting laser light source

Inside the VPL-VW5000ES is an ultra-pure, reliable laser light source with Z-Phosphor technology.

TRILUMINOS™ Display with even wider, cinema-like colour gamut

You will enjoy an extended range of spectacular colours, far wider than a standard projection system. The VPL-VW5000ES supports the same DCI-P3 colour space as professional cinema projectors, as well as the new BT.2020 colour space (emulated) that accurately captures an even wider range of true-to-life tones.

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.

HDR compatible

Take full advantage of High Dynamic Range (HDR) for stunning contrast and an impressive range of brightness levels, from searing highlights to richly detailed dark scenes.

Future-proofed support for the latest HDMI standards

The VPL-VW5000ES can project Ultra HD content at up to 60 frames per second (4K 60p YCbCr 4:4:4 8 bit/ YCbCr 4:2:2 12 bit) for even smoother images with superior colour and realism. Support for HDCP 2.2 lets you enjoy the latest 4K content services.

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™ Discs

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 colour range of the original.

Picture position memories

Memorises 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

±30° tilt capability allows flexible installation in a wide range of home cinema environments such as rear projection.

Auto calibration

Set-up is quick and easy: auto calibration ensures superb pictures without effort.

Industry standard RF 3D compatible

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

Quick start

Don't keep your audience waiting for the show to begin. With quick start, thanks to laser light source technology, you're all ready to start projection right after initial power-on.

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
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Light output

Light output	5,000 lm
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Color light output

Color light output	5,000 lm
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Contrast ratio

Contrast ratio	∞:1 (dynamic contrast)
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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
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Color bit depth

Color bit depth	Up to 12 bit via HDMI
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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
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Operating temperature / Operating humidity

Operating temperature / Operating humidity	5°C to 40°C (41°F to 104°F) / 20% to 80% (no condensation)
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Storage temperature / Storage humidity

Storage temperature / Storage humidity	-10°C to +60°C (14°F to +140°F) / 20% to 80% (no condensation)
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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)
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Power consumption

Power consumption	MAX. 1.2 kW
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Power consumption (Standby)

Power consumption (Standby)	0.5 W
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Heat dissipation

Heat dissipation	4092 BTU/h
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Dimensions (WxHxD) (without protrusions)

Dimensions (WxHxD) (without protrusions)	550 x 228 x 750 mm / 21.6 x 9.0 x 29.5 inch
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Mass

Mass	Approx. 43 kg / 94 lb (including standard lens) Approx. 40 kg / 88 lb (excluding standard lens)
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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)
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Optional accessories

Optional accessories	TDG-BT500A (3D glasses)* VPLL-Z7008 (Short Throw Lens) *Please contact your Sony representative for specific models available in your region.
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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.

Gallery

