

VPL-VW760ES

4K SXRD Home Cinema Projector with laser light source, 2,000 lumen brightness, ∞:1 contrast and HDR compatibility



Overview

Superlative native 4K picture quality with a laser light source - in a compact projector

It's an unforgettable experience, whatever you're watching. An ideal choice for your home cinema room, the VPL-VW760ES brings movies to life with extraordinary cinematic detail, color and contrast.

This compact projector combines an advanced laser light source with the same 4K SXRD panel technology found in Sony's 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 colors, smooth motion and spectacular contrast.

Generous 2,000 lumen brightness assures vibrant images, even in well-lit rooms. The ultra-pure, highly efficient laser light source delivers consistent image brightness, without the gradual drop-off in light levels experienced with lamps. You'll also enjoy reduced operating costs compared with conventional projection systems, and less worry of sudden lamp failure during the show. You're futureproofed 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 due to its compact size, simple setup, fuss-free auto calibration and low-noise operation, the VPL-VW760ES 4K Home Cinema Projector puts you in control of the ultimate entertainment experience.

Features

- **Native 4K SXRD™ panel**

Featured in Sony's digital cinema projectors, advanced SXRD (Silicon X-tal Reflective Display) panel technology delivers native 4K (4096 x 2160) resolution images, with more than four times the detail of Full HD. Fine details are wonderfully clear and natural, without jagged edges or visible pixels.

- **See richer, deeper blacks**

Latest SXRD 4K panels deliver even better contrast, as well as native 4K resolution. SXRD projection offers rich, inky blacks, as well as clear cinematic motion and image smoothness. Improvements to the panel's reflective silicon layer now mean even better light control, for precisely reproduced shadows and blacks.

- **Native 4K resolution for lifelike pictures**

With more than four times the resolution of Full HD, native 4K offers 8.8 million pixels (4096 x 2160) for an incredibly lifelike image with the same resolution defined by the DCI (Digital Cinema Initiative) for cinema distribution. See corner-to-corner clarity and watch movies from much closer than you would in Full HD.

- **∞:1 dynamic contrast for stunning realism**

A dynamic contrast of ∞:1 brings every scene to life with exquisite detail and realism. Laser light output is adjusted dynamically depending on content of the scene, achieving both deep, inky blacks and vibrant colours.

- **Longer lasting brightness with Z-Phosphor™ laser light**

"The ultra-pure, reliable Z-Phosphor laser light source lets you enjoy exceptional 4K pictures with consistently uncompromised brightness levels. You can also enjoy up to 20,000 hours of uninterrupted operation, with no lamp replacement and virtually zero maintenance.

- **2,000 lumens for high brightness**

Enjoy the action with up to 2,000 lumens brightness from the laser light source, for vibrant images on screens up to 762 cm (300").

- **HDR compatibility: every image comes to life**

Get the most from today's UHD Blu-ray and streaming services with High Dynamic Range. HDR video offers an expanded brightness range that delivers more realistic, high-contrast images and brilliant colours. Compatible with both HDR10 and HLG (Hybrid Log-Gamma) formats. Sony's home cinema projectors reproduce colour and contrast that's faithful to the creator's intention.

- **Super-resolution Reality Creation**

Exclusive Reality Creation technology analyses images right down to the pixel level. It uses powerful pattern-matching algorithms developed over years of movie production to enhance image crispness without increasing digital picture noise. It also upscales existing full HD Blu-ray Disc™ and DVD movies to near 4K quality.

- **Colours come alive with TRILUMINOS™**

Discover true-to life colours and tones. The VPL-VW760ES incorporates TRILUMINOS colour, reproducing more tones and textures than standard projectors. Hard-to-reproduce crimson reds, aqua blues, and emerald greens are displayed beautifully so landscapes and seascapes look more vivid. Faces look better, too, with faithfully reproduced skin tones.

- **4K Motionflow™**

Motionflow ensures smooth, clear on-screen action, even when viewing 4K content. Extra frames are added to reduce blur while maintaining brightness in fast-moving scenes. Cinema purists can choose True Cinema mode to retain the original 24 fps frame rate of genuine movie projection.

- **Compact, practical design**

The projector's compact size gives extra flexibility for installing in your home cinema set-up.

- **Wider zoom and shift lens**

The projector's powered zoom lens provides maximum flexibility for home installations, including high ceiling mounting.

- **Virtually no maintenance**

The reliable, energy-efficient laser light source reduces lifetime running costs compared with traditional lamp-based projectors. Replacement cycles reduce maintenance overheads even further.

- **Auto Calibration**

After extended operating periods, colour can be automatically calibrated to the original factory conditions. There's no need for extra calibration equipment or cameras; a built-in colour sensor stores all the necessary information.

- **HDCP 2.2 compatibility**

Both HDMI inputs are compatible with HDCP 2.2, the latest content protection standard.

- **Low fan noise**

Whisper-quiet 24dB fan noise* minimises disturbance for your audience.

*Dependent on environment and operating conditions.

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 (Approx. x2.06)
● Lens shift	Powered Vertical: +85% -80% Horizontal: +/-31%
Light source	
● Light source	Laser diode
Screen size	
● Screen size	60" to 300" (1,524 mm to 7,620 mm)
Light output	
● Light output	2,000 lm
Colour light output	
● Colour light output	2,000 lm
Dynamic contrast	
● Dynamic contrast	∞:1
Displayable scanning frequency	
● Horizontal	19 kHz to 72 kHz
● Vertical	48 Hz to 92 Hz
Display resolution*1	
● Computer signal input	Maximum display resolution: 1920 x 1080 dots (HDMI Input only)
● Video signal input	480/60p, 576/50p, 720/60p, 720/50p, 1080/60i, 1080/50i, 1080/60p, 1080/50p, 1080/24p, 3840 x 2160/24p, 3840 x 2160/25p, 3840 x 2160/30p, 3840 x 2160/50p, 3840 x 2160/60p, 4096 x 2160/24p, 4096 x 2160/25p, 4096 x 2160/30p, 4096 x 2160/50p, 4096 x 2160/60p
OSD language	
● OSD language	18-languages (English, Dutch, French, Italian, German, Spanish, Portuguese, Turkish, Polish, Russian, Swedish, Norwegian, Japanese, Simplified Chinese, Traditional Chinese, Korean, Thai, Arabic)
INPUT OUTPUT (Computer / Video / Control)	
● HDMI1 / HDMI2*2	Digital (RGB/Y Pb/Cb Pr/Cr)
● Trigger	Minijack, DC 12 V Max. 100 mA
● Remote	RS-232C, D-sub 9-pin (male)

● LAN	RJ45, 10Base-T/100BASE-TX
● IR IN	Mini Jack
● USB	DC 5 V, Max. 500 mA
Acoustic noise	
● Acoustic noise	24 dB*3
Operating temperature / Operating humidity	
● Operating temperature / Operating humidity	5°C to 35°C (41°F to 95°F) / 35% to 85% (no condensation)
Storage temperature / Storage humidity	
● Storage temperature / Storage humidity	-20°C to +60°C (-4°F to +140°F) / 10% to 90% (no condensation)
Power requirements	
● Power requirements	AC 100 V to 240 V, 4.3 A to 1.8 A, 50/60Hz
Power consumption	
● Power consumption	430 W
● Standby	0.4 W (when "Remote Start" is set to "Off")
● Networked Standby	1.0W (LAN) (when "Remote Start" is set to "On") When a LAN terminal is not connected, it becomes a low power consumption mode (0.5 W).
Standby Mode / Networked Standby Mode Activated	
● Standby Mode / Networked Standby Mode Activated	After about 10 Minutes
Dimensions (W x H x D) (without protrusions)	
● Dimensions (W x H x D) (without protrusions)	560 x 223 x 496 mm 22 1/16 x 8 25/32 x 19 17/32 inches
Mass	
● Mass	Approx. 20 kg / 44 lb
Supplied accessories	
● Supplied accessories	RM-PJ24 Remote Commander (1) Size AA (R6) Manganese Batteries (2) Lens Cap (1) AC Power Cord (1) Operating Instructions (CD-ROM) (1) Quick Reference Manual (1) Safety Regulations (1)
Notes	
● *1	Displayed image may be converted for some input signals.
● *2	Both HDMI inputs are compatible with HDCP 2.2.
● *3	This value is approximate. Depends on the projector setting condition and usage environment.