

VPL-VW550ES

4K SXR D Home Cinema Projector with 1800 lumens brightness, 350,000:1 contrast, HDR compatibility and premium white finish



Overview

Seeing is believing: breathtaking 4K clarity without compromise

Bring the immersive excitement of true 4K cinematic images into every living space. Available also in a contemporary premium white finish, the VPL-VW550ES Home Cinema projector makes a stylish addition to any interior.

Advanced SXR D panel technology delivers incredible 4K images with four times the resolution of Full HD. You'll experience rich colours, impressive 1800 lumens brightness and huge 350,000:1 dynamic contrast ratio - for vibrant, detail-packed pictures with native 4K resolution that always look clear and sharp, even in daylight living rooms.

You're future-proofed with compatibility for the latest 4K standards, as well as compatibility with HDR (High Dynamic Range) - so you'll get the very best out of today's content, and tomorrow's. Colour can be easily calibrated to the original factory condition without fuss. The compact VPL-VW550ES fits neatly into any home theatre or living room, with quiet fan noise that won't disturb the show, wide zoom/lens shift range and a front-facing exhaust port for extra installation flexibility. The projector's long-lasting lamp is rated for an extra-generous 6,000 hours* operation (in Low Mode), for fewer interruptions and reduced maintenance costs.

* The figures are expected maintenance time and not guaranteed. They will depend on the environment or how the projector is used.

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 impressive 1,800 lumens brightness and spectacular 350,000:1 dynamic contrast range, 4K images are clear with bright highlights and rich, deep blacks – even in well-lit rooms.

- **Premium white finish**

The projector is also available in a stunning premium white finish that works well in any contemporary or traditional décor.

- **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.

- **TRILUMINOS™ Display for wider, more natural colours**

Sony's TRILUMINOS™ Display technology accurately reproduces a much broader range of colours than a standard projector system. You'll see the difference with finely-reproduced tones and textures plus greater colour purity, depth and realism.

- **HDR Compatible**

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

- **Future-proofed support for latest standards**

The VPL-VW550ES can project content at up to 60 frames per second (fps) in 4K (at colour signal YCbCr 4:2:0 / 8 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-VW550ES 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 colour range of the original.

- **Long-lasting lamp**

6000 hour* rated lamp operating life (in Low mode) means simpler maintenance, with fewer lamp swaps and reduced running costs.

* The figures are expected maintenance time and not guaranteed. They will depend on the environment or how the projector is used.

- **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 with wide zoom and shift lens**

The powered zoom lens with a 2.1x zoom ratio and wide lens shift range gives greater installation flexibility in any room size, even with high ceilings.

- **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 inhale/exhaust when installing. This helps maximise throw distance, for the biggest possible projected images.

- **Built-in 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.

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. x2.1)
● Lens shift	Powered Vertical: +85% -80% Horizontal: +/-31%
Light source	
● Light source	High-pressure mercury lamp, 280 W type
Recommended lamp replacement time *1	
● Recommended lamp replacement time	6000 H (Lamp mode: Low)
Filter replacement cycle (Max.)	
● Filter replacement cycle (Max.)	Same time as the lamp replacement is recommended
Screen size	
● Screen size	60" to 300" (1,524 mm to 7,620 mm)
Light output	
● Light output	1800 lm (Lamp mode: High) *2
Colour light output	
● Colour light output	1800 lm (Lamp mode: High) *2
Dynamic contrast	
● Dynamic contrast	350,000:1
Displayable scanning frequency	
● Horizontal	19 kHz to 72 kHz
● Vertical	48 Hz to 92 Hz
Display resolution	
● 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*3, 3840 x 2160/60p*3, 4096 x 2160/24p, 4096 x 2160/25p, 4096 x 2160/30p, 4096 x 2160/50p*3, 4096 x 2160/60p*3
OSD language	
● OSD language	17-languages (English, Dutch, French, Italian, German, Spanish, Portuguese, Russian, Swedish, Norwegian, Japanese, Simplified Chinese, Traditional Chinese, Korean, Thai, Arabic, Polish)

INPUT OUTPUT (Computer / Video / Control)	
● HDMI1 / HDMI2 *4	Digital (RGB/Y Pb/Cb Pr/Cr)
● Trigger	Minijack, DC 12 V Max. 100 mA
● Remote	RS-232C, D-sub 9-pin (female)
● LAN	RJ45, 10Base-T/100BASE-TX
● IR IN	Mini Jack
Acoustic noise	
● Acoustic noise	26 dB
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, 4.1 A to 1.7 A, 50/60Hz
Power consumption	
● AC 100 V to 120 V	410 W
● AC 220 V to 240 V	410 W
Power consumption (Standby Mode)	
● AC 100 V to 120 V	0.3 W (when "Remote Start" is set to "Off")
● AC 220 V to 240 V	0.3 W (when "Remote Start" is set to "Off")
Power consumption (Networked Standby Mode)	
● AC 100 V to 120 V	1.0 W (LAN) (when "Remote Start" is set to "On")
● AC 220 V to 240 V	1.0 W (LAN) (when "Remote Start" is set to "On")
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)	495.6 x 195.3 x 463.6 mm 19 1/2 x 7 11/16 x 18 1/4 inches
Mass	
● Mass	Approx. 14 kg / 31 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)
Replacement lamp	

LMP-H280

- Replacement lamp

Notes

- *1 The figures are expected maintenance time and not guaranteed. They will depend on the environment or how the projector is used.
- *2 The values are estimate.
- *3 YCbCr 4:2:0 / 8 bit
- *4 Both HDMI inputs are compatible with HDCP 2.2.

Accessories

Ceiling Brackets



PSS-H10
Projector Ceiling Bracket for
Home Cinema

Lamps



LMP-H280
Replacement Lamp for
Home Cinema projectors

Other Accessories



TDG-BT500A
Active shutter glasses (RF
type) for home cinema
projectors