

VPL-VW520ES

4K SXRD Home Cinema Projector with 1800 lumens brightness, 300,000:1 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-VW520ES Home Cinema projector makes a stylish addition to any interior.

Advanced SXRD 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 300,000:1 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-VW520ES 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.

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 300,000:1 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-VW520ES 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-VW520ES 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.

- **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	300,000:1
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	Max 410 W
● AC 220 V to 240 V	Max 410 W

Power consumption (Standby Mode)	
● AC 100 V to 120 V	0.3 W (when "Standby mode" is set to "Low")
● AC 220 V to 240 V	0.3 W (when "Standby mode" is set to "Low")

Power consumption (Networked Standby Mode)	
● AC 100 V to 120 V	1.0 W (All terminals and networks connected, when "Standby Mode" is set to "Standard")
● AC 220 V to 240 V	1.0 W (All terminals and networks connected, when "Standby Mode" is set to "Standard")

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	

- Replacement lamp

LMP-H280

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 HDMI Input2 is 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