

VPL-VW520ES

4K SXRD Home Cinema Projector
with 1800 lumens brightness,
300,000:1 contrast, HDR
compatibility and premium
white finish (colour availability
may vary by country)



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 2.06x 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.

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 High-pressure mercury lamp, 280 W type

Recommended lamp replacement time *1

Recommended lamp replacement time 6000 H (Lamp mode: Low)

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)
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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
USB	DC 5 V, Max. 500 mA

Acoustic noise

Acoustic noise	26 dB
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Operating temperature / Operating humidity

Operating temperature / Operating humidity	5°C to 35°C (41°F to 95°F) / 35% to 85% (no condensation)
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Storage temperature / Storage humidity

Storage temperature / Storage humidity	-20°C to +60°C (-4°F to +140°F) / 10% to 90% (no condensation)
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Power requirements

Power requirements	AC 100 V to 240 V, 4.1 A to 1.7 A, 50/60Hz
Power consumption	
Power consumption	410 W
Standby	0.3 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)	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
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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)
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Optional Accessories

3D Glasses	Please contact your Sony representative for specific models available in your region.
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Replacement lamp

Replacement lamp	LMP-H280
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Notes

The figures are expected maintenance time and not

*1	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.
Environmental notice for customers in the USA	Lamp in this product contains mercury. Disposal of these materials may be regulated due to environmental considerations. For disposal or recycling information, please contact your local authorities or see www.sony.com/mercury for additional information.

Gallery

