VPL-VW270ES

4K SXRD Home Cinema Projector with 1,500 lumen brightness, HDR Compatible and 4K Motionflow™

Overview

Bring incredible 4K detail to your favourite movies

Imagine bringing the truly cinematic quality of 4K into your own home. Now you can make this a reality with our VPL-VW270ES Home Cinema projector.

The VPL-VW270ES produces true 4K resolution images with our native 4K (4096 x 2160) SXRD panels – that's over four times the quality of Full HD.

Designed for your home cinema room and living room, the VPL-VW270ES delivers stunning, detail-packed images and incredibly lifelike colour like never before. And with 1,500 lm brightness, you're guaranteed an exceptional picture.

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.

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-VW270ES 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.

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.

HDMI 18 Gbps compatibility
With an increase in 4K HDR 60P content, the VPL-VW270ES is now HDMI 18 Gbps compatible for smoother expressions of gradations.

4K Motionflow™
The powerful video processor in the VPL-VW270ES offers Motionflow™ for smooth and clear motion even when viewing 4K content. Motionflow adds frames to reduce blur, while maintaining brightness, making it ideal for fast-moving sports content. Cinema purists can choose True Theatre mode to retain the original 24fps.

1,500 lumens for high brightness
Enjoy the action with up to 1,500 lumens brightness, generated by a 225W lamp, for vibrant images on screens.

Watch for longer with a 225W ultra high pressure lamp
Enjoy up to 6000 hours* of viewing time (in low mode) from a long-lasting lamp. This means fewer lamp swaps, simpler maintenance, and lower running costs.

*Approximate recommended period, in low mode.

Motorised zoom lens and wide lens shift
Installing this projector in your room is easy with a 2.06x motorised zoom with a wide lens shift range. Adjust the position of the projector up to 85% vertically and 31% horizontally to get just the right angle for your movies.

Select from nine calibrated picture modes
Quickly set the picture to what you're watching or playing. Select from nine calibrated picture modes, including two theatre film modes, cinema digital, reference, TV, photo, game, bright cinema, and bright TV. An advanced HSV (Hue Saturation Value) colour tuning tool gives you even more control.

Front-facing fan
As the fan is positioned at the front of the projector, you don't need to worry about wall space and clearance for air inhale/exhaust during installation. This helps maximise throw distance for bigger projected images.

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, 225 W type

Recommended lamp replacement time *1

Recommended lamp replacement time	6,000 H (Lamp mode: Low)

Screen size

Screen size	60" to 300" (1,524 mm to 7,620 mm)

Light output

Light output	1,500 lm (Lamp mode: High) *2

Colour light output

Colour light output	1,500 lm (Lamp mode: High) *2

Displayable scanning frequency

Horizontal	19 kHz to 72 kHz
Vertical	48 Hz to 92 Hz

Display resolution*3

Computer signal input	Maximum display resolution: 1920 x 1080 dots (HDMI Input only)
Video signal input	480/60p, 576/50p, 720/60p, 720/50p, 1080/60 i, 1080/50 i, 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, 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 (male)
LAN	RJ45, 10Base-T/100BASE-TX
IR IN	Mini Jack
USB	DC 5 V, Max. 500 mA

Acoustic noise

Acoustic noise	26 dB*5

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, 4.0 A to 1.7 A, 50/60Hz

Power consumption

Power consumption	390 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

3D

3D capability	Yes
3D emitter	Built-in RD emitter

| 3D glasses | TDG-BT500A (Optional)
Please contact your Sony representative for specific models available in your region. |

Dimensions (W x H x D) (without protrusions)

| Dimensions (W x H x D) (without protrusions) | 496 x 205 x 464 mm
19 1/2 x 8 3/32 x 18 1/4 inches |

Mass

| Mass | Approx. 14 kg / 31 lb |

Supplied accessories

| Supplied accessories | RM-PJ28 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) |

Optional accessories

| Optional accessories | TDG-BT500A (3D glasses)*

*Please contact your Sony representative for specific models available in your region. |

Replacement lamp

| Replacement lamp | LMP-H220 |

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	Displayed image may be converted for some input signals.
*4	HDMI Input2 is compatible with HDCP 2.2.
*5	They will depend on the environment or how the projectors is used. When under normal environment.
Environmental notice for	Lamp in this product contains mercury. Disposal of these materials may be regulated due to environmental

customers in the USA

considerations. For disposal or recycling information, please contact your local authorities or see www.sony.com/mercury for additional information.

Gallery