

SONY

VPL-VW1100ES

The ultimate 4K home cinema projector for larger, luxury private screening rooms



Overview

More than 4x the resolution of Full HD

The VPL-VW1100ES projector brings the fully immersive experience of the cinema into your home. See exceptional detail with 4K resolution, a dynamic contrast ratio of 1,000,000:1 and 2,000 lumens brightness.

2D & 3D films upscaled to 4K

While more and more 4K material is becoming available, our advanced Reality Creation technology upscales your 2D and 3D movies for a truly cinematic 4K experience.

Professional cinema technology

Advanced SXRD panels and Iris 3 technology produce an ultra-smooth, native 4K picture, with no compromises.

Features

- **4K native resolution: 4x the quality of Full HD**

There's no compromise, the VPL-VW1100ES provides 4096 x 2160 resolution. We used our professional cinema expertise to develop 4K SXRD panels and produce a 4K native picture with no artificial pixel enhancement.

- **Dynamic contrast for incredible detail**

Our 4K SXRD panels and Iris3 technology work together to produce an incredible contrast ratio of 1,000,000:1. Deep blacks plus a flatter pixel surface help to create astonishingly detailed images.

- **Triluminos Display technology**

The VPL-VW1100ES's optical engine and SXRD panels incorporate our Triluminos Display technology to produce a much broader colour range, reproducing more tones and textures than a standard projector system. The result is greater purity, depth and realism.

- **2,000 lumens brightness**

At 2,000 ANSI lumens, the VPL-VW1100ES incorporates a high performance lamp for the optimum viewing experience at home.

- **Reality Creation: upscales your movies to 4K**

As well as native 4K material, you can see your current Full HD Blu-ray™ or DVD movie collection upscaled for a 4K experience. Reality Creation is a Super Resolution technology that radically enhances Full HD content, even upscaling 3D movies for 4K.

- **Compatible with 'Mastered in 4K' Blu-ray™ discs**

Drawing on the same technology used to downscale 4K material for Full HD, the VPL-VW1100ES gives you 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.

- **Motionflow**

For fast-moving scenes, our Motionflow technology means you'll see every detail with minimal blur. The VPL-VW1100ES displays twice as many images and transitions per second than Full HD for a crisp, clear, sharp picture, no matter how fast the action.

- **Meets new 4K standard of 60 frames per second**

The VPL-VW1100ES displays up to 60p, the new industry standard for 4K. It's significantly higher than the previous 24p, for a smoother viewing experience with greater colour and realism.

- **Wider range of colour**

The VPL-VW1100ES offers a wider than normal colour space, allowing it to show a greater range of colours than Adobe RGB or specified by the professional DCI standard (Digital Cinema Initiatives).

- **Zoom lens and wider lens shift**

A 2.1 motorised zoom lens and wide lens shift range of 80% vertical and 31% horizontal gives greater installation flexibility – even when the ceiling is very high.

- **Suitable for home automation**

The VPL-VW1100ES is compatible with many home automation systems. It has an RS232 interface, RJ45 control, and IR-IN terminal.

- **Picture Position Memory**

This feature remembers the position of the zoom lens. You can match it to a movie's aspect ratio (including 16:9 and Cinemascope) and store the settings for a future viewing.

- **Precise panel alignment**

With electronic panel alignment, red and blue elements in every pixel are correctly positioned. For optimum clarity, adjustments can be made by as little as 0.1 pixels.

- **Whisper-quiet fan**

The latest noise reduction technology ensures that projector sound is kept to a minimum – only 23db.

- **Make fine gamma adjustments**

For greater detail, colour and tonal accuracy, you can make fine gamma adjustments (levels 1 to 6) with Image Director3 software. Download it online, plug in your PC via the RS232C terminal and choose Fine or Course settings thanks to a new zooming function.

Technical Specifications

Display System	
● Display System	SXRD projection system

Display device	
● Size of effective display area	0.74" x 3 SXRD
● Number of pixels	26,542,080 (4096 x 2160 x 3) pixels

Projection lens	
● Focus	Powered
● Zoom - Powered/Manual	Powered
● Zoom - Ratio	Approx. x 2.06
● Lens shift - Powered/Manual	Powered
● Lens shift - Range Vertical	+/- 80%
● Lens shift - Range Horizontal	+/- 31%

Light source	
● Type	Ultra high pressure mercury lamp
● Wattage	330 W type

Screen size	
● Screen size	60" to 300" (1.52 m to 7.62 m) (measured diagonally)

Light output	
● Lamp mode: High	2000 lm

Color light output	
● Lamp mode: High	2000 lm

Contrast ratio*1	
● Contrast ratio	1,000,000:1 (Dynamic Contrast)

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	480/60i, 576/50i, 480/60p, 576/50p, 720/60p, 720/50p, 1080/60i, 1080/50i, 1080/60p, 1080/50p, 1080/24p, 3840×2160/24p, 3840×2160/25p, 3840×2160/30p, 3840×2160/50p, 3840×2160/60p, 4096×2160/24p, 4096×2160/25p, 4096×2160/30p, 4096×2160/50p, 4096×2160/60p

OSD language	
● OSD language	20-languages (English, Dutch, French, Italian, German, Spanish, Portuguese, Turkish, Polish, Russian, Swedish, Norwegian, Japanese, Simplified Chinese, Traditional Chinese, Korean, Thai, Vietnamese, Arabic, Persian)

INPUT OUTPUT (Computer/Video/Control)	
● HDMI 1 / HDMI 2	HDMI (x2)
● Y PB/CB PR/CR	Pin Jack (x3)
● INPUT A	RGB/Y Pb/Cb Pr/Cr input connector: Mini D-sub 15-pin (female)
● REMOTE	RS-232C connector: D-sub 9-pin (female)
● LAN	RJ-45, 10Base-T/100BASE-TX
● IR IN	Mini Jack
● TRIGGER1 / TRIGGER2	Mini Jack (x2)
● 3D SYNC	RJ-45

Acoustic noise	
● Lamp mode: Low	23 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, 4.8 A to 2.0 A, 50 Hz / 60 Hz

Power consumption	
● AC 100 V to 120 V	480 W
● AC 220 V to 240 V	480 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	3.5 W (LAN) (when "Standby Mode" is set to "Standard")
● AC 220 V to 240 V	3.9 W (LAN) (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)	
● Dimensions (W x H x D) (without protrusions)	520 x 200 x 640 mm (20 1/2 x 7 7/8 x 25 1/4 inches)

Mass	
● Mass	20 kg (44 lb)

Supplied accessories	
● Remote commander	RM-PJ22

● IR 3D Glasses	TDG-PJ1
Optional Accessories	
● Replacement lamp	LMP-H330
● Wireless HD Unit	IFU-WH1
● IR 3D Glasses	TDG-PJ1
● IR External Transmitter	TMR-PJ2
Notes	
● *1	The values are estimate.

Accessories

Ceiling Brackets



PSS-H10
Projector Ceiling Bracket for Home Cinema

Lamps



LMP-H330
Replacement Lamp for the VPL-VW1100ES

Other Accessories



IFU-WH1
Wireless HD Unit for home cinema projectors



TDG-PJ1
3D active shutter glasses (IR type) for home cinema projectors



TMR-PJ2
External 3D sync transmitter (IR type) for home cinema projectors