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 producean 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.

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	

SONY

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)
	RGB /Y Pb/Cb Pr/Cr input

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

Optional Accessories

Replacement lamp	LMP-H330
Wireless HD Unit	IFU-WH1

IR 3D Glasses	TDG-PJ1 Please contact your Sony representative for specific models available in your region.
IR External Transmitter	TMR-PJ2

Notes	
*1	The values are estimate.
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