

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.

Specifications

Display System

Display System	SXRD projection system
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Display device

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

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

Type	Ultra high pressure mercury lamp
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Wattage	330 W type
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Screen size

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

Lamp mode: High	2000 lm
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Color light output

Lamp mode: High	2000 lm
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Contrast ratio*1

Contrast ratio	1,000,000:1 (Dynamic Contrast)
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Displayable scanning frequency

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

Computer signal input	Maximum display resolution: 1920 x 1080 dots (HDMI Input only)
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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 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
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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)
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INPUT OUTPUT (Computer/Video/Control)

HDMI 1 / HDMI 2	HDMI (x2)
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Y PB/CB PR/CR	Pin Jack (x3)
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DCR/V Pb/Cb Pr/Cr input

INPUT A	RGB/YPbPr/CbPr/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
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Power consumption

AC 100 V to 120 V	480 W
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AC 220 V to 240 V	480 W
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Power Consumption (Standby Mode)

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

AC 100 V to 120 V	3.5 W (LAN) (when "Standby Mode" is set to "Standard")
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AC 220 V to 240 V	3.9 W (LAN) (when "Standby Mode" is set to "Standard")
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Standby Mode / Networked Standby Mode

Activated

Standby Mode /
Networked Standby After about 10 Minutes
Mode Activated

Dimensions (W x H x D)

Dimensions (W x H x D) 520 x 200 x 640 mm (20 1/2 x 7 7/8 x
(without protrusions) 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



