

## 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 SXR D 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 SXR D panels and produce a 4K native picture with no artificial pixel enhancement.

#### **Dynamic contrast for incredible detail**

Our 4K SXR D 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

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 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	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)
---------------	---------------

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
--------------------	--

---

## 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      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	<p>TDG-PJ1</p> <p>Please contact your Sony representative for specific models available in your region.</p>
---------------	---

---

IR External Transmitter	TMR-PJ2
-------------------------	---------

---

## Notes

\*1 The values are estimate.

---

Environmental notice for customers in the USA	<p>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 <a href="http://www.sony.com/mercury">www.sony.com/mercury</a> for additional information.</p>
---	--

---

## Gallery



