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# VPL-VW1100ES
# the ultimate 4K home cinema experience

4K home cinema front projector with 4x the resolution of Full HD Dynamic contrast ratio of 1,000,000:1

- **4K native resolution: 4096 x 2160**
- **Dynamic contrast ratio: 1,000,000:1**
- **Brightness: 2,000 ANSI lumens**
- **SXRD panels and Advanced Iris3 technology**

4K   3D Created by Sony   SXRD   TRILUMINOS DISPLAY

**Professional cinema technology**
With years of experience developing technology for the big screen, we've used our most advanced innovations to build the VPL-VW1100ES:

**Reality Creation with Triluminous technology**
Display Super Resolution upscaler and advanced colour technology transforms your Full HD Blu-ray™ or DVD collection for an exceptional 4K experience, even in 3D.

**Advanced SXRD panels**
produce an ultra-smooth, native 4K picture by dramatically reducing the space between pixels at a super-fast speed.

**Enjoy 'Mastered in 4K' discs**
for a near native 4K experience, as close to the original as you can get. Plus, the new **60 frames per second standard** (at colour signal YUV 4:2:0) produces smoother images and superior colour for greater realism.

**Your own, personal cinema**
The VPL-VW1100ES projector is our leading, luxury 4K home cinema projector. It gives you the fully immersive experience of digital cinema in a large, dedicated screening space.
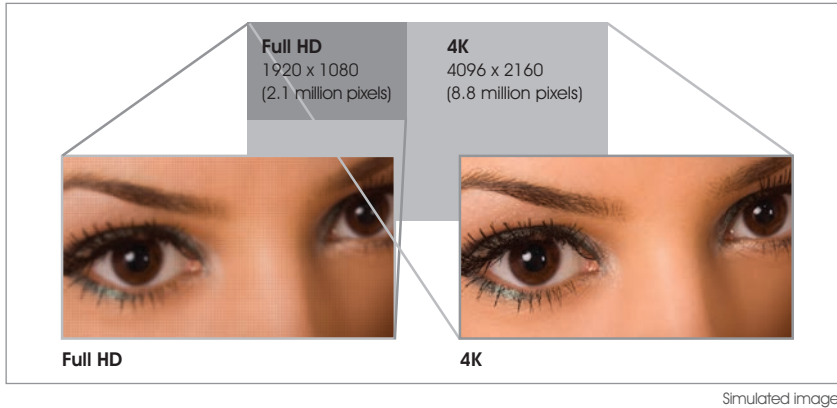
With astonishing 4K resolution (4x the quality of Full HD) and a multitude of advanced features, it's our most 'professional' home cinema projector yet.

**Super Resolution upscaling**
While more and more native 4K material is becoming available, the VPL-VW1100ES uses our Reality Creation technology to upscale Full HD content for an incredible 4K experience. This Super Resolution feature means you'll get the very best from your current Blu-ray Disc™ or DVD library, with fuller colour, greater clarity and more impact then ever before.

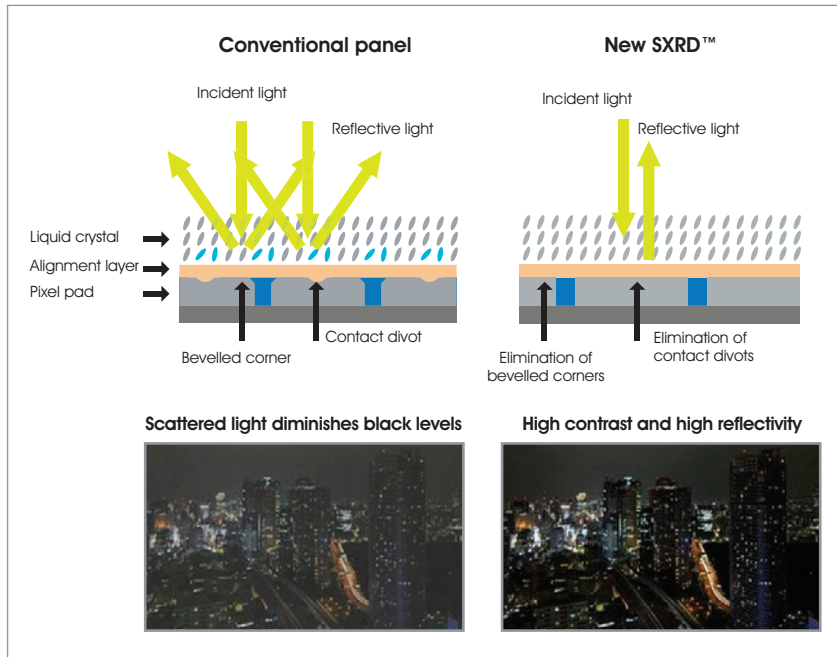## 4K native resolution: 4x the quality of Full HD

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. ▼

**Full HD**
1920 x 1080
(2.1 million pixels)

**4K**
4096 x 2160
(8.8 million pixels)

**Full HD**

**4K**

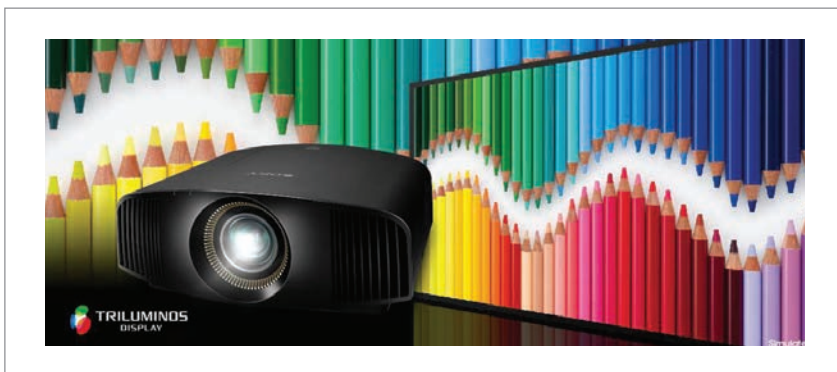Simulated images

## 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. ▼

**Conventional panel**

**New SXRD™**

Incident light

Reflective light

Incident light

Reflective light

Liquid crystal
Alignment layer
Pixel pad

Bevelled corner

Contact divot

Elimination of
bevelled corners

Elimination of
contact divots

**Scattered light diminishes black levels**

**High contrast and high reflectivity**

Simulated images

## TRILUMINOS Display technology

The VPL-VW1100'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. ▼

Simulated images

## 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 the latest 4K/60p HDMI standard 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.

**TRILUMINOS**
**DISPLAY**

## 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 2.06 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 22db.

## 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.

## Built-in IR 3D transmitter

No set-up time or cables, just synchronise the VPL-VW100ES with your IR 3D glasses via the built-in transmitter.

## RF 3D transmitter and wireless HDMI compatible

Works with both RF and IR 3D, giving you greater stability and wider coverage (RF 3D emitter and glasses are optional accessories). Plus, free yourself from cables with an optional wireless HDMI emitter/receiver kit.

## Wireless option (up to Full HD 60P)

Keep things tidy and free yourself from cables with an optional wireless HDMI emitter/ receiver kit. The VPL-VW1100ES will connect wirelessly to your Blu-ray Disc™ player, games console and more.

## PrimeSupport

The VPL-VW1100ES comes with our 3-year PrimeSupport package. There are no unexpected costs if you experience a problem, just fast, efficient technical support from our free multi-lingual helpline advisors. This package also includes 1-year or1,000 hours lamp cover.

Prime **Support**

Prime **Support Plus**

## Specifications

| | | VPL-VW1100ES |
|---|---|---|
| Display system | | High Frame Rate SXRD panel |
| Light Output | | 2,000lm |
| Contrast ratio | | 1,000,000:1 (Dynamic Contrast) |
| Display elements | Effective display size | 0.74" x 3 |
| | Effective pixels | 4K (4096 x 2160) x3 / 26,542,080 pixels |
| Projection lens | Zoom / Focus | Electric Approx. 2.06 x) / Electric |
| | Lens shift | Electric, V: +/-80% / H: +/-31% |
| Light source | | Ultra High-pressure lamp 330W type |
| Screen size | | 60" to 300" |
| Reality Creation | | YES (4K Reality Creation) |
| Compatible with Mastered in 4K Blu-ray™ | | YES |
| 4K 60P(YUV4:2:0/8bit) | | YES |
| 3D capability | | YES |
| 3D emitter | | Built-in IR emitter |
| 3D glasses | | TDG-PJ1 (IR type : Bundled) / TDG-BT500A (RF type : Optional) |
| Auto Calibration | | No |
| Manual Calibration | | No |
| Picture Position Memory | | YES |
| Wireless HDMI compatibility | | IFU-WH1 (Optional) |
| Advanced Iris | | Ver 3 |
| Picture modes | | 9 modes |
| Gamma modes | | 11 modes |
| Panel Alignment | | Yes (Shift / Zone) |
| Input/Output | HDMI (2 inputs) | Digital RGB/Y Pb/Cb Pr/Cr |
| | Remote | RS-232C, D-sub 9-pin (female) |
| | LAN | RJ45, 10BASE-T/100BASE-TX |
| | IR IN | Mini Jack |
| | TRIGGER | Minijack, DC 12V Max. 100m A |
| | USB | No |
| Acoustic noise | | 22dB |
| Power requirement | | AC 100 V to 240 V, 3.0 A to 1.3 A,50/60 Hz |
| Power consumption | | Max. 480 W |
| Body colour | | Black |
| Standard outside dimensions | | W 520 x H 200 x D 640 mm |
| Weight | | Approx. 20 kg |
| Supplied Accessories | | Remote Control RM-PJ22 |
| | | Size AA (R6) manganese batteries (2) |
| | | AC Power Cord for projector (1) |
| | | 3D glasses (2) |
| | | Pouch for the 3D glasses (2) |
| | | Operating Instructions (1) |

## Optional Accessories

| Projector lamp (LMP-H330) | Wireless HD Unit (IFU-WH1) | IR 3D Glasses (TDG-PJ1) | RF 3D Glasses (TDG-BT500A) | IR External Transmitter (TMR-PJ2) | RF External Transmitter (AD025-RF-X1) |
|---|---|---|---|---|---|

# Sony. The clear choice for 3D home cinema.

## www.pro.sony.eu/homecinemaprojectors

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