SONY

# VPL-VW885ES

## 4K Native High Picture Quality with Laser Light Source in Amazing Compact Size

ES 4K HDR SXRD Z-Phosphor LASER LIGHT SOURCE TRILUMINOS DISPLAY 3D

# The native 4K resolution home projector with laser light source in such a compact size:

It’s an unforgettable experience, whatever you’re watching.
An ideal choice to fit in your theater room, the VPL-VW885ES brings movies to life with extraordinary cinematic detail, color and contrast.
This compact size home projector combines an advanced laser light source with the same Sony 4K SXRD panel technology that’s found in our professional cinema projectors.
Crisply detailed native 4K images (4096 x 2160) offer four times the resolution of Full HD, pulling you right into the heart of the action with unprecedented clarity.
You’ll experience fabulously rich cinematic colors, smooth motion and spectacular contrast.
Savor the action with 2000 lumens brightness and you will see vibrant images, whether in dark or well-lit rooms.
The ultra-pure, highly efficient laser light source provides long lasting brightness releasing you from the worries of brightness decay typical of lamps. In addition to long lasting brightness, you’ll enjoy reduced operating costs compared with conventional projection systems, plus less worry of lamp failure half way through a show. You’re fully prepared with compatibility for the latest 4K standards, including High Frame Rates and HDR (High Dynamic Range) - so you’ll get the very best out of today’s content, and tomorrow’s.
With installation flexibility thanks to its compact size, simple setup, fuss-free auto calibration and low-noise operation, the VPL-VW885ES 4K Home Cinema Projector puts you in control of the ultimate entertainment experience.

# Breathtaking Picture Quality

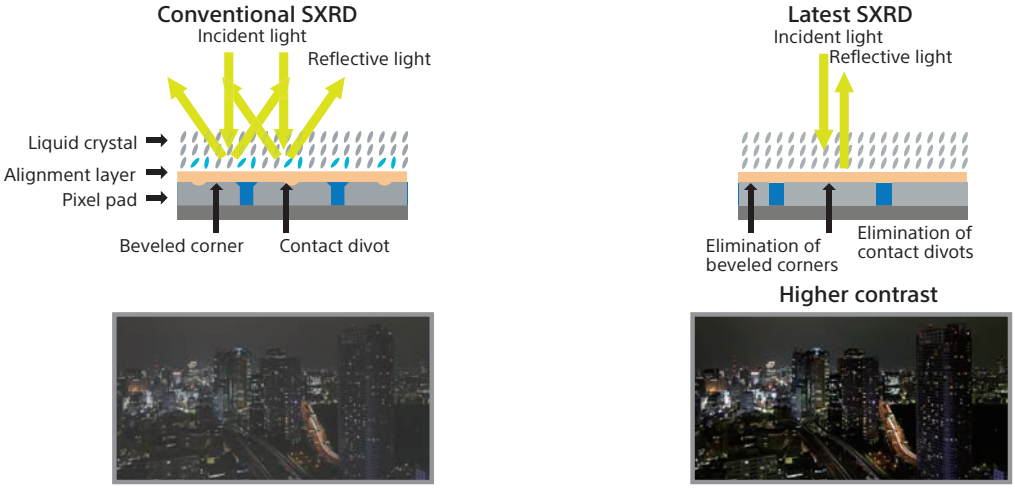
## Native 4K SXRD™ Panels

The advanced SXRD (Silicon X-tal Reflective Display) panel technology featured in Sony's digital cinema projectors delivers native 4K (4096 x 2160) resolution images, with more than four times the detail of Full HD.
Fine details are wonderfully clear and natural, without jagged edges or visible pixels.

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

## See deeper blacks with 4K SXRD panels

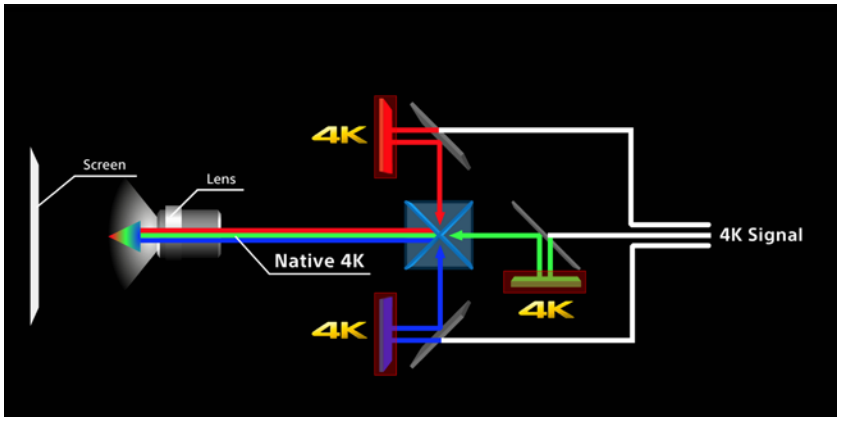
Latest SXRD panels deliver even better contrast, as well as native 4K resolution. SXRD projection offers rich, inky blacks, as well as clear cinematic motion and image smoothness. Improvements to the silicon layer now mean even better light control, for precisely delivered shadows and blacks




Simulated images

## Sony's 4K Projection

With more than four times the resolution of Full HD, native 4K offers 8.8 million pixels (4096 x 2160) for a picture that's incredibly lifelike, which is why it is the resolution defined by the DCI (Digital Cinema Initiatives) for cinema distribution. See corner-to-corner clarity and watch movies from much closer than you would in Full HD.



## Bright images for years with a Z-Phosphor™ laser light

The VPL-VW885ES's ultra-pure, reliable Sony-developed Z-Phosphor laser light source lets you enjoy perfectly clear 4K pictures with the right brightness level for a very long time. You can also get up to 20,000 hours of uninterrupted operation, with no lamp replacement and virtually zero maintenance.


Simulated images

## Infinite dynamic contrast for stunning realism

A dynamic contrast of ∞:1 makes every scene spring to life with fine detail and realism by adjusting the laser light output dynamically, depending on the brightness of the scene content, to achieve both deep, inky blacks and vibrant color.

Standard Projector

VPL-VW885ES

Simulated images

## 2000lm for High brightness

Savour the action with up to 2000 lumens of brightness, generated by Sony's Z-Phosphor laser light source, for vibrant images even on screens up to 300" (762 cm) .

## HDR Compatible

Get the most from your projector when viewing new UHD Blu-ray and streaming services with High Dynamic Range (HDR).

HDR video offers a vastly expanded brightness range to deliver far more realistic, high-contrast images and brilliant colors.

Compatible with both HDR10 and HLG (Hybrid Log-Gamma) formats. Sony's home projectors reproduce color and contrast faithfully to creators' intentions.

SDR*

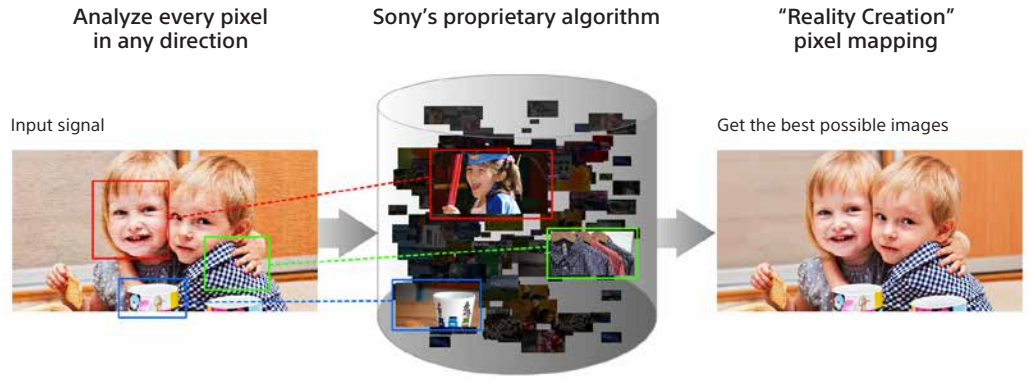
* Standard Dynamic Range

HDR

Simulated images

## The super-resolution Reality Creation

Sony's exclusive Reality Creation technology analyzes images right down to the pixel level.
It then employs pattern-matching algorithms developed over years of movie production to enhance crispness even without increasing digital picture noise. It also upscales existing full HD Blu-ray Disc™ and DVD movies to near 4K quality.




Picture patterning based on 10 years of accumulated expertise

Simulated images

## TRILUMINOS™ Display

Discover true-to-life colors and tones. The VPL-VW885ES incorporates TRILUMINOS color, reproducing more tones and textures than a standard projector system. Hard-to-reproduce crimson reds, aqua blues, and emerald greens are displayed beautifully, so landscapes and seascapes look more vivid. Faces look better, too, with skin tones more faithfully reproduced.

TRILUMINOS DISPLAY

Simulated images

## 4K Motionflow™

The powerful video processor in the VPL-VW885ES offers Motionflow for smooth and clear motion, even when viewing 4K content. Motionflow adds frames to reduce blur, while maintaining brightness, in fast-moving scenes. Cinema purists can choose True Cinema mode to retain the original 24 fps cadence.

**Without Motionflow**

**With Motionflow**

Simulated images

# Installation Advantages

## Compact and Functional Design

Achieving such compact size, provides great flexibility for a variety of installation situations.

## Wider Zoom and Shift Lens

The projector offers a powered lens for zoom, shift and focus operations to provide maximum flexibility for home installations, including high ceiling mounting.

## Picture Position Memory Matches Movie Aspect Ratio

The projector has a set of memory registers to store the position of the lens (focus, zoom, shift). Users can match a movie's aspect ratio, including 1.78:1 and 2.35:1, and store these settings in the projector for easy recall.

## Electronic Panel Alignment

Ensures the red and blue elements in each pixel are precisely positioned against green. Adjustments can be made by as little as 0.1 pixels for optimum clarity.

# User-friendly Functions

## Virtually no maintenance

The reliable, energy-efficient laser light source reduces lifetime running costs compared with traditional lamp-based projectors. Replacement cycles reduce maintenance overheads even further.

## Built-in Auto Calibration

After extended periods, color can be automatically calibrated to the original factory condition. There's no need for extra calibration equipment or cameras; a built-in color sensor stores all the necessary information.


## HDCP 2.2 Compatibility

Both HDMI inputs are compatible with HDCP 2.2 - the latest content protection standard.

## Industry-standard RF 3D Compatible

A built-in RF transmitter synchronizes with most RF 3D glasses for wider coverage and greater stability, and there's no need for an external transmitter.

## Low Latency Mode

A feature for gamers. Experience our fastest ever response time between your controller and the screen for ultimate gaming action.

## Easy Connectivity for Home Automation

Compatible with many home automation systems via an RJ45(IP), RS-232C, TRIGGER and IR IN interfaces.

## Low fan noise at 24dB*

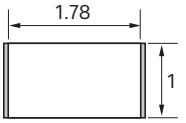
Whisper-quiet fan noise minimizes disturbance for your audience.

* Depends on the viewing environment or how the projector is used. 24dB is based on the typical environment.

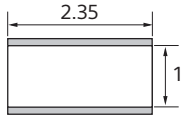
## Optional Accessories

**TDG-BT500A**
3D Glasses

## Projection distance

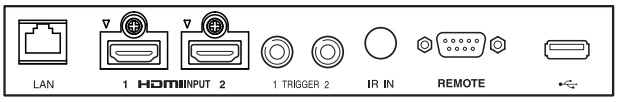



| 1.78:1 (16:9) | | |
|---|---|---|
| Projection image size | | Projection distance L |
| Diagonal | Width × Height | |
| 80" (2.03 m) | 1.77 × 1.00 (70 × 39) | 2.44 – 5.01 (96 – 197) |
| 100" (2.54 m) | 2.21 × 1.25 (87 × 49) | 3.05 – 6.28 (121 – 247) |
| 120" (3.05 m) | 2.66 × 1.49 (105 × 59) | 3.67 – 7.55 (145 – 297) |
| 150" (3.81 m) | 3.32 × 1.87 (131 × 74) | 4.60 – 9.44 (181 – 371) |
| 200" (5.08 m) | 4.43 ×2.49 (174 × 98) | 6.15 – 12.61 (242 – 496) |



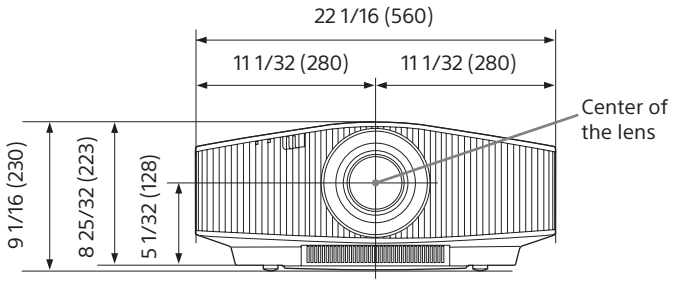

| 2.35:1 | | |
|---|---|---|
| Projection image size | | Projection distance L |
| Diagonal | Width × Height | |
| 80" (2.03 m) | 1.87 × 0.80 (74 × 31) | 2.41 – 4.96 (95 – 195) |
| 100" (2.54 m) | 2.34 × 0.99 (92 × 39) | 3.02 – 6.22 (119 – 244) |
| 120" (3.05 m) | 2.80 × 1.19 (110 × 47) | 3.64 – 7.47 (143 – 294) |
| 150" (3.81 m) | 3.51 × 1.49 (138 × 59) | 4.55 – 9.35 (180 – 368) |
| 200" (5.08 m) | 4.67 × 1.99 (184 × 78) | 6.08 – 12.48 (240 – 491) |

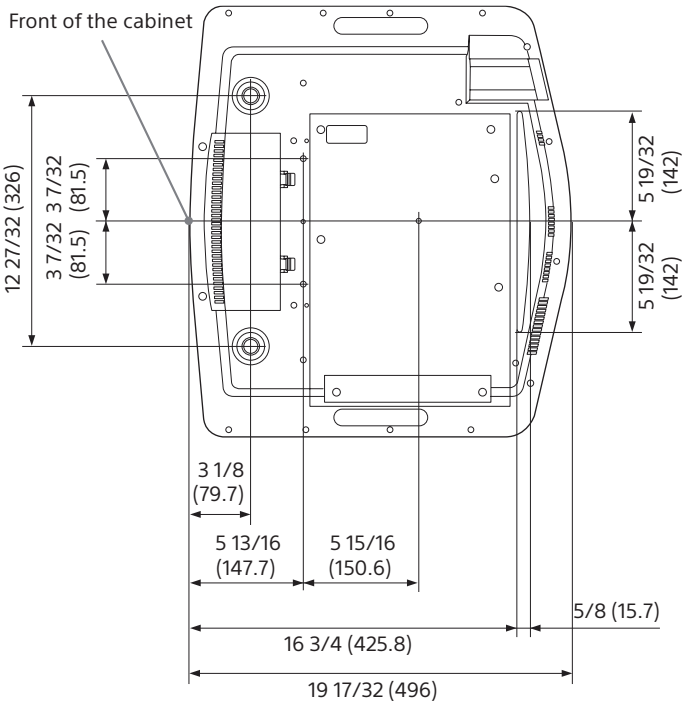
## Connector Panel




## Dimensions

Units: inches (mm)



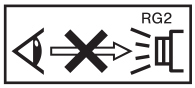
# Specifications

| | | |
|---|---|---|
| Display System | | 4K SXRD panel, projection system |
| Display device | Size of effective display area | 0.74" x 3 |
| | Number of pixels | 26,542,080 (4096 x 2160 x 3) pixels |
| Projection lens | Focus | Powered |
| | Zoom | Powered (Approx. x 2.06) |
| | Lens shift | Powered<br>Vertical: +85% -80% Horizontal: +/-31% |
| Light source | | Laser diode |
| Screen size | | 60" to 300" (1,524 mm to 7,620 mm) |
| Light output | | 2000 lm |
| Color light output | | 2000 lm |
| Dynamic contrast | | ∞:1 |
| Displayable scanning frequency | Horizontal | 19 kHz to 72 kHz |
| | Vertical | 48 Hz to 92 Hz |
| Display resolution*1 | Computer signal input | Maximum display resolution:<br>1920 x 1080 dots (HDMI Input only) |
| | Video signal input | 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 | | 18-languages (English, Dutch, French, Italian, German, Spanish, Portuguese, Turkish, Polish, Russian, Swedish, Norwegian, Japanese, Simplified Chinese, Traditional Chinese, Korean, Thai, Arabic) |
| INPUT OUTPUT (Computer / Video / Control) | HDMI1 / HDMI2*2 | Digital (RGB/Y Pb/Cb Pr/Cr) |
| | Trigger1 / Trigger2 | Minijack, DC 12 V Max. 100 mA |
| | Remote | RS-232C, D-sub 9-pin (male) |
| | LAN | RJ45, 10Base-T/100BASE-TX |
| | IR IN | Mini Jack |
| | USB | DC 5V, Max. 500 mA |
| Acoustic noise | | 24 dB*3 |
| Operating temperature / Operating humidity | | 41°F to 95°F (5°C to 35°C) / 35% to 85% (no condensation) |
| Storage temperature / Storage humidity | | -4°F to +140°F (-20°C to +60°C) / 10% to 90% (no condensation) |
| Power requirements | | AC 100 V to 240 V, 4.3 A to 1.8 A, 50/60Hz |
| Power consumption | | 430 W |
| | Standby | 0.4 W (when "Remote Start" is set to "Off") |
| | Networked Standby | 1.0 W (LAN) (when "Remote Start" is set to "On")<br>When a LAN terminal is not connected, it becomes a low power consumption mode (0.5 W). |
| Dimensions (W x H x D) (without protrusions) | | 22 1/16 x 8 25/32 x 19 17/32 inches<br>560 x 223 x 496 mm |
| Weight | | Approx. 20 kg / 44 lb |
| Supplied accessories | | RM-PJ24 Remote Commander (1), Size AA (R6) Manganese Batteries (2), Lens Cap (1), AC Power Cord (1), Operating Instructions (CD-ROM) (1), Quick Reference Manual (1), Safety Regulations (1) |

*1 Displayed image may be converted for some input signals.
*2 Both HDMI inputs are compatible with HDCP2.2
*3 This value is approximate. Depends on the projector setting condition and usage environment.

LASER NOTICES
For the U.S.A.
IEC 60825-1:2007 CLASS 3R LASER PRODUCT


For other countries
IEC 60825-1:2014 CLASS 1 LASER PRODUCT




As with any bright light source, do not stare into the beam, RG2 IEC 62471-5:2015.



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