

# SONY



## VPLXW7000ES

### 4K HDR Laser Home Theater Projector with Native 4K SXRD Panel

Equipped with a 3,200-lumen laser light source, the VPL-XW7000ES brings you an immersive viewing experience and strikingly clear 4K HDR images, even in well-lit spaces. Our newly developed technologies, including the all-new Native 4K SXRD panel, deliver wide dynamic range, high resolution, and vivid colors, in a compact design that's perfect for your home.



### Key Features

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- 3,200 lumens of brightness, generated by a long-lasting laser light source, for vibrant images even on a large screen.
- Flagship-level X1™ Ultimate for projector brings you the best of Sony's image processing
- All-new Native 4K SXRD panel provides full 4K resolution with 4096 x 2160 pixels
- All-new Wide Dynamic Range Optics contribute to a compact design with better light control that achieve a 95% DCI-P3 wide color gamut.
- Dual database processing - One database helps reduce on-screen noise, while the other is used to upscale the resolution.
- Object-based Super Resolution technology detects individual objects in a picture and enhances each one for exceptional accuracy and detail.
- Object-based HDR Remaster analyses the color of individual objects on screen and adjusts the contrast, resulting in more realistic pictures with greater depth and texture.
- Dynamic HDR Enhancer processes HDR content scene by scene and enhances the contrast in combination with laser output control—bringing you bright 4K HDR images.
- Digital Focus Optimizer corrects the image quality so that the focus is better than ever, even in the corners. Incredibly compact native 4K laser projector

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### More Features

#### 3,200-lumen laser light source

Immerse yourself in the action with brighter, bolder entertainment. The VPL-XW7000ES is 60% brighter than the VPL-VW915ES, engineered with our newly developed Native 4K SXRD™ (Silicon X-tal Reflective Display) panel and Wide Dynamic Range Optics. It delivers 200 nits<sup>1</sup> on a 150-inch screen—bringing you a truly immersive experience.

#### Flagship-level X1™ Ultimate for projector

X1 Ultimate for projector optimizes our acclaimed BRAVIA TV video processing for projection. The incredible power of this video engine enables advanced data processing, with real-time enhancement of each on-screen object. The result is high dynamic range imagery with texture, color, contrast and realism never before available to home cinema.

#### All-new Native 4K SXRD panel

Immerse yourself in an incredibly lifelike picture with native 4K that offers 8.3 million pixels (3,840 x 2,160). With an all-new 0.61-inch SXRD panel, you'll enjoy high brightness, inky blacks, vibrant colors, rich tones and textures, plus clear cinematic motion, and image smoothness.



## **All-new Wide Dynamic Range Optics**

Our new Wide Dynamic Range Optics contribute to a compact design with better light control by maximizing the potential of the laser light source. The resulting higher color volume means naturally colorful images, even at high brightness levels, and stunning, immersive contrast.

## **Dual database processing**

Two powerful image improvement databases work together to improve picture quality in real time. One database helps reduce on-screen noise, while the other is used to upscale the resolution.

## **Object-based Super Resolution**

Object-based Super Resolution technology detects individual objects in a picture and enhances each one for exceptional accuracy and detail.

## **Object-based HDR Remaster**

Object-based HDR Remaster analyses the color of individual objects on screen and adjusts the contrast, resulting in more realistic pictures with greater depth and texture.

## **Dynamic HDR Enhancer**

Dynamic HDR Enhancer processes HDR content scene by scene and enhances the contrast in combination with laser output control—bringing you bright 4K HDR images.

## **Digital Focus Optimizer**

By analyzing every pixel and detecting possible degradation in advance, the Digital Focus Optimizer corrects the image quality so that the focus is better than ever, even in the corners.

## **Incredibly compact native 4K laser projector**

We've designed the VPL-XW7000ES to be even smaller and lighter than its predecessors by developing the all-new native 4K SXRD panel and compact Wide Dynamic Range Optics. This laser projector is about 20% smaller in volume and about 30% lighter than the VPL-VW915ES—with a new modern exterior designed to blend into any room.

## **Wide color volume**

Enjoy spectacular brightness and stunning realism, thanks to new Wide Dynamic Range Optics that achieve a 95% DCI-P3 wide color gamut.

## **IMAX Enhanced**

Sony 4K projectors are compatible with IMAX Enhanced content, making them ready to deliver the bigger, more breathtaking IMAX visuals you love in compatible content. Take advantage of the size of your projector screen with movies that become even more immersive with IMAX Enhanced.

## **True-to-life colors with TRILUMINOS PRO™**

See over a billion colors come to life with TRILUMINOS PRO. Our unique TRILUMINOS PRO algorithm can detect color from saturation, hue and brightness to reproduce natural shades in every detail. You'll enjoy colors that are closer to those seen in the real world.

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## A smart addition to your smart home

Integrate your 4K projector into your home automation and remote monitoring systems. The VPL-XW7000ES supports Control4, Crestron, Savant and AMX, as well as OvrC and Domotz—so you can enjoy a smarter, more convenient entertainment experience.

## Designed with the environment in mind

This 4K projector is full of bright ideas—not only for your home entertainment but also for a sustainable future. To reduce our footprint, we created a mercury-free design with a laser light source. We also reduced the amount of virgin plastic used in the main body by more than 20% and the packaging materials by more than 15% compared to the VPL-VW915ES.

## 4K Motionflow™

The powerful video processor in the VPL-XW7000ES offers Motionflow for smooth and clear motion, even when viewing 4K content. Motionflow is ideal for fast-moving sports content, as it adds frames to reduce blur while maintaining brightness. Cinema purists can choose True Theatre mode to retain the original 24 fps.

## Anamorphic lens compatibility for 4K signals (V-stretch for 4K)

Wide lens compatibility means you can use your legacy anamorphic lenses with ease, even with 4K content. Watch your content in your favorite formats with a full-size picture, thanks to the V-stretch function.

## Input Lag Reduction

Enjoy the latest games lag-free on the big screen. All of our 4K projectors include input lag reduction that enables the player's input to be reflected on screen without delay. The VPL-XW7000ES supports 4K 60 Hz input with an input lag under 21 ms, and 2K 120 Hz input with an input lag under 13 ms.

## Accessibility for home projectors

Learn about projector accessibility features

## Motorised zoom lens and wide lens shift

Installing your 4K laser projector in any room is easy with a 2.1x motorized zoom (Throw ratio 1.35:1 - 2.84:1) and a wide lens shift range. Adjust the image position by up to  $\pm 85\%$  vertically and  $\pm 36\%$  horizontally using lossless optical adjustments for the perfect setup whatever your room size.

## Specifications

### Size & Weight

DIMENSIONS (W X H X D)	18.13" x 8.28" x 20.34"
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WEIGHT	Approx. 31 lb (14 kg)
<b>Display</b>	
DISPLAY SYSTEM	4K SXRD™ panel, projection system
DISPLAY RESOLUTION	720 x 576/50p, 720 x 480/60p, 1280 x 720/50p, 1280 x 720/60p, 1920 x 1080/50i, 1920 x 1080/60i, 1920 x 1080/24p, 1920 x 1080/50p, 1920 x 1080/60p, 1920 x 1080/120p, 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
LIGHT SOURCE	Laser diode
PICTURE PROCESSOR	X1™ Ultimate for projector
<b>General Features</b>	
CONTRAST RATIO	∞: 1 (Dynamic Contrast)
EFFECTIVE IMAGER SIZE	0.61 in x 3
EFFECTIVE PIXELS	24,883,200 (3840 x 2160 x 3) pixels
PROJECTION LENS SHIFT	Powered, Vertical +/- 85%, Horizontal +/- 36%
THROW RATIO	1.35:1 to 2.84:1* *Display size: 16:9
<b>Hardware</b>	
PROJECTION LENS ZOOM / FOCUS	Powered (Approx. x2.1) / Powered
<b>Interface</b>	
INPUT AND OUTPUT TERMINALS	HDMI (TWO INPUTS)* - Digital RGB/Y Pb/Cb Pr/Cr, IR IN - Minijack, LAN - RJ45, 10Base-T/100BASE-TX, REMOTE - RS-232C, D-sub 9-pin (male), TRIGGER - Minijack, DC 12 V Max. 100 mA, 3D SYNC OUT - Minijack, USB - Type A, DC 5 V, Max. 500 mA *Both HDMI inputs are compatible with HDCP 2.3.
<b>Operating Conditions</b>	
OPERATING TEMPERATURE / HUMIDITY	41 °F to 95 °F (5 °C to 35 °C) / 20% to 80% (no condensation)
STORAGE TEMPERATURE / HUMIDITY	14 °F to +140 °F (-10 °C to +60 °C) / 20% to 80% (no condensation)
<b>Power</b>	



ACOUSTIC NOISE	26 dB* *The value depends on the environment or how the projectors are used.
POWER REQUIREMENT	AC 100 V to 240 V, 50/60 Hz
POWER CONSUMPTION	420 W
<b>Video Features</b>	
LIGHT OUTPUT	3,200 lm
COLOR LIGHT OUTPUT	3,200 lm
<b>Eco and energy saving</b>	
POWER CONSUMPTION (STANDBY MODE)	0.3 W (When "Remote Start" is set to "Off")
POWER CONSUMPTION (NETWORKED STANDBY MODE)	0.5 W (LAN) (when "Remote Start" is set to "On") When a LAN terminal is not connected, it becomes a low power consumption mode (0.5 W)
STANDBY MODE ACTIVATED	After about 10 Minutes
<b>Accessibility</b>	
SCREEN READER	Yes

1. 3,840 x 2,160 resolution
2. Actual performance varies based on settings, environmental conditions, and usage.
3. IMAX Enhanced content enables full IMAX Enhanced experience with compatible streaming services such as Fandango Now (US only) and BRAVIA CORE, or compatible content device connected via HDMI input (sold sep).

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