

VPLXW5100ES/W

BRAVIA Projector 7 - 4K HDR Laser Home Theater Projector with Native 4K SXR Panel

Bring true 4K HDR entertainment into your home with the BRAVIA Projector 7 (VPL-XW5100ES),¹ a native 4K laser projector with up to 2,200 lumens of high brightness and the XR Processor for projector.



Bullets

- Up to 2,200 lumens of brightness, generated by a long-lasting laser light source, for vibrant images even on a large screen.³
- Native 4K SXR panel provides full 4K resolution with 3,840 x 2,160 pixels.
- Flagship-level XR Processor for projector brings you the best of Sony's image processing.
- Ultra-pure and reliable laser light source, which lets you enjoy perfectly clear 4K pictures at optimal brightness for up to 20,000 uninterrupted hours.^{1,2}
- See over a billion colors come to life with XR TRILUMINOS PRO. Our unique XR TRILUMINOS PRO algorithm can detect color from saturation, hue, and brightness to reproduce natural shades in every detail.
- Enjoy spectacular brightness and stunning realism, thanks to new Wide Dynamic Range Optics that achieves up to 95% DCI-P3 wide color gamut and up to 2,200-lumen high brightness.³
- 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.
- The powerful video processor in the BRAVIA Projector 7 offers Motionflow for smooth and clear motion, even when viewing 4K content.
- The BRAVIA Projector 7 supports 4K 120 Hz input with an input lag under 12 ms, and 4K 60 Hz input with an input lag under 21 ms.

Features

High brightness technology with XR Processor for projector

Bring every movie to new life with the ultimate home cinema experience powered by our XR Processor for projector and our class-leading laser light source. Enjoy precision and clarity with rich gradation, deep blacks, and brilliant colors.

Effortless installation. Endless possibilities.

With effortless installation, Sony projectors open up endless possibilities. The compact, lightweight design allows for versatile setup in any space.

Reliability meets usability

Built for reliability and designed for usability, our projectors integrate seamlessly with industry protocols and major solutions.

Aspect ratio scaling

Achieve the perfect aspect ratio with enhanced blanking control. Whether you're watching in 2.35:1 or 2.40:1, expanded top and bottom blanking ensures a seamless viewing experience without menu interference.

Smart tech. Sustainable planet.

Smart tech helps maintain a sustainable planet. Our projectors are designed with sustainability in mind, featuring mercury-free components and enhanced power efficiency.

Wide dynamic range with rich gradations

Designed for immersive HDR imagery, movies come to life with the high resolution, smooth and fast response SXR projection. Deeper blacks, vivid colors, and cinematic tonal expressions.

XR Dynamic Tone Mapping

XR Dynamic Tone Mapping optimizes brightness frame by frame, using the responsive laser light source. This brings the director's full vision to life in every shadow and light. Our advanced HDR tone-mapping and SDR upscaling, informed by our production expertise, deliver vibrant and lifelike visuals with smooth gradations.

XR Deep Black

Leveraging the ultimate blacks and powerful adaptive laser light source brightness control, our XR Deep Black technology analyzes and enhances dark scenes. Enjoy deeper blacks without sacrificing color expression or specular highlights, for more realistic and immersive scenes.

Wide and detailed color reproduction

Experience all the world's colors with XR Triluminos Pro. With an ultra-bright, up to 2,200-lumen laser light,³ the BRAVIA Projector 7 reproduces astonishing color volume for realistic and compelling colors in every scene.

XR Dynamic Tone Mapping

Adapted from our acclaimed BRAVIA TVs, XR Triluminos Pro deeply scans color composition at the pixel level, remapping saturation and brightness from a palette of over a billion colors. Complemented by high brightness technology, it expands color volume and sharpens details, delivering breathtaking, true-to-life images that push the boundaries of projection technology.

Wide color gamut and high brightness

A wide color gamut is nothing without the precise control to deliver it across luminance levels. Our wide color volume reproduces 95% of the cinema benchmark DCI-P3. As brightness increases, the color volume expands, preserving vivid hues without washing out, even at peak brightness.

Ultimate clarity

Every frame is refined with XR Clear Image, enhancing textures and minimizing noise for perfect clarity.

Pristine clarity for individual objects

Focus on the finest details. XR technology hones in on individual details, bringing unparalleled sharpness and precision to every scene.

Everything upscaled to 4K quality¹

See everything in crisp 4K quality.¹ XR upscaling smartly recreates lost textures and details, transforming every frame to restore the director's vision.

Beautiful images without noise

Uncompromised clarity. XR Clear Image's noise reduction technology ensures smooth, distraction-free visuals.

Cross-analysis

Our XR Processor for projector examines thousands of elements simultaneously, integrating them to deliver images with unmatched depth and clarity.

Depth mapping

With depth mapping, the XR Processor for projector identifies and enhances focal points, creating a sense of depth and realism that makes each frame more immersive.

Focal points recognition

Attention where it counts. The XR Processor for projector sharpens key focal points, for clear, engaging images.

Sony unique laser light source

Up to 2,200 lumens of brilliance.³ Sony's unique laser light source transforms any room into a cinematic space. Enjoy color accuracy and enduring picture quality.

Lightweight design. All the 4K detail.¹

Experience the breathtaking clarity of native 4K resolution with our lightest projector.¹ Designed for effortless placement and maximum flexibility, it's the ultimate way to bring cinema-quality entertainment home—without compromise.

Cinema-ready settings

Stunning visuals right out of the box. The BRAVIA Projector 7 is pre-configured for cinematic color and gamma, with extensive adjustment and calibration options available if needed.

Color correction

Precise color correction technology enhances the accuracy of every hue, creating lifelike images with rich tones.

Color Space

With a huge 95% DCI-P3 color gamut, and custom color space tuning, all your visuals are more immersive and realistic.

Gamma correction

Dynamic gamma correction ensures your SDR and HDR picture is perfectly balanced, providing clear, crisp images in any light.

Effortlessly adjust your image for geometry, ensuring seamless projection at any ceiling or stand height.

Home automation systems

One remote to manage it all. Easily integrate your projector with top home automation systems like Control4, Crestron, Savant, AMX.

Remote diagnostics

Ideal for advanced custom installations, the BRAVIA Projector 7 supports remote monitoring and diagnostics of network settings, status, and even temperature.

4K/120 fps

Experience lightning-fast, smooth visuals in 4K at 120 frames per second. Perfect for action-packed gaming.

Auto Low Latency Mode

Always game-ready. Auto Low Latency Mode is activated for connected game consoles, ensuring responsive play and minimal lag.

Explore Sony Projector Products' Accessibility Features

Accessibility for all, whatever your needs

Power efficiency

Maximize energy efficiency without compromising on picture quality, with XR Deep Black's advanced laser control technology. Save on power, not on quality.

Mercury-free

Safer and greener. Our projectors use mercury-free laser light sources, designed to be safer for the environment and your home.

Sony is committed not only to offering products, services and content that deliver exciting experiences but also to working towards our goal of a zero environmental footprint throughout our business activities.

Specification

Accessibility	
Screen Reader	Yes
Display	
Display Resolution	720x576/50p, 720x480/60p, 1280x720/50p, 1280x720/60p, 1920x1080/50i, 1920x1080/60i, 1920x1080/24p, 1920x1080/48p, 1920x1080/50p, 1920x1080/60p, 1920x1080/100p, 1920x1080/120p, 3840x2160/24p, 3840x2160/25p, 3840x2160/30p, 3840x2160/48p, 3840x2160/50p, 3840x2160/60p, 3840x2160/100p, 3840x2160/120p, 4096x2160/24p, 4096x2160/25p, 4096x2160/30p, 4096x2160/48p, 4096x2160/50p, 4096x2160/60p, 4096x2160/100p, 4096x2160/120p
Display System	4K SXRD™ panel, projection system
Light Source	Laser diode
Picture Processor	XR Processor for projector
Eco and Energy Saving	
Power Consumption (Off)[W]	0.3 W (When "Remote Start" is set to "Off")
Power Consumption (Standby)[W]	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 (0.4 W)
General Features	

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	Manual, Vertical +/- 71%, Horizontal +/- 25%
Throw Ratio	1.38:1 to 2.21:1* *Display size: 16:9
Hardware	
Projection Lens Zoom / Focus	Manual (Approx. x1.60) / Manual
Interface	
Input and Output Terminals	HDMI (2 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, USB - Type A, DC 5 V, Max. 500 mA *Both HDMI inputs are compatible with HDMI2.1 and HDCP 2.3.
Operating Conditions	
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)
Power	
Acoustic Noise	24 dB *The value depends on the environment or how the projectors are used.
Power Consumption	295 W
Power Requirement	AC 100 V to 240 V, 50/60 Hz
Size & Weight	
Dimensions (W x H x D)	18.13 in x 7.88 in x 18.59 in
Weight	Approx. 28 lb (13 kg)
Video Features	
Color Light Output	2,200 lm
Light Output	2,200 lm
Summary	
What's in the Box	AC Power Cord (1), Remote Control (RM-PJ28), Setup Guide (1), Size AA Batteries (2)

1. 3,840 x 2,160 resolution
2. Actual performance varies based on settings, environmental conditions, and usage.
3. Lumen degradation over time based on usage

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