

BRAVIA Projector 9 (VPL-XW8100ES)

Bring the Pro Cinematic HDR experience: Native 4K SXR home cinema laser projectors (3,400lm) with XR Processor™.



Overview

Cinema is coming home

Step up to a new generation of immersive cinematic experiences with our latest native 4K laser projectors. BRAVIA Projector 9 elevates home entertainment to the next level, drawing on cutting-edge picture processing technologies by Sony that harness cognitive intelligence for the most realistic, emotion packed images yet.

Features

Wide dynamic range with richer, more subtle graduations

The latest XR processor for projector draws on Sony's acclaimed BRAVIA TV technologies, harnessing advanced data processing for real-time optimisation of individual on-screen objects. You'll be rewarded with stunning 4K HDR images with contrast and realism that are unattainable with previous-generation home cinema projectors.

XR Dynamic Tone Mapping

Peak brightness is analysed frame by frame: tone mapping ensures that direct sunlight and other bright highlights are faithfully reproduced, while retaining fine detail in dark shadow areas.

XR Deep Black

Laser dimming is accurately controlled in dark scenes like night skies, delivering deeper, richer blacks while maintaining tone and colour accuracy.

A billion bright, beautiful colours

High brightness is combined with XR Triluminos Pro technology, achieving over 95% coverage of the DCI-P3 colour space. Faithful reproduction of over a billion colours reveals the subtlest variations in saturation and hue.

Achieve ultimate clarity

XR Clear Image processing analyzes individual objects frame-by-frame, upscales all your favourite content to near-4K resolution and minimises picture noise. The results are so real – it's almost unreal!

Individually clear

Image cross-analysis ensures that optimal super-resolution processing is applied to individual objects within each scene, for incredibly natural textures.

Intelligent upscaling

Lower-resolution images are upscaled close to 4K, drawing on a vast pattern-matching database that intelligently reconstructs lost texture and detail.

More beauty, less noise

Thanks to powerful XR Clear Image processing, picture noise is minimised through zone division and dynamic frame analysis.

Brilliant pictures powered by innovative technology

Combining the brightness of our powerful laser light source with the game-changing XR processor for projector delivers a uniquely immersive native 4K HDR home cinema experience.

Image cross-analysis

Image parameters including colour, definition and contrast are analysed and processed in parallel, providing more natural artefact-free images.

Depth mapping

Depth and texture are enhanced by cognitive technology, accentuating foreground subjects for images that look more real and natural.

Focal point recognition

The natural focal point of the picture is enhanced, drawing the viewer's eye to the most important part of the scene.

Vivid, ultra-real colour that's always true to life

Live Colour Enhancer technology (BRAVIA Projector 9) selectively expands tonal range for vivid HDR images without unnatural oversaturation, whether you're watching in daylight or darkened rooms. You'll see the difference with accurate, true to life skin tones and more vibrant, vivid images.

Crystal clarity with Advanced Crisp-Focused (ACF) Lens

Our Advanced Crisp-Focused Lens features a 70mm aspherical front lens element that widens the focus area, ensuring crystal clear images from corner to corner. The floating focus system uses two moving lens groups and extra-low dispersion glass for distortion-free images with accurate colour reproduction.

Smooth, responsive gameplay

Get even more big-screen gaming excitement with the latest fast-paced titles. Everything's super-smooth, supple and responsive, giving you that crucial competitive edge when split-second reactions count for everything.

High frame rate, high resolution

Don't miss a moment with sports and adrenalin-packed first

person video games. Support for 4K 120fps ensures smoothly rendered gameplay that makes on-screen action even more real.

Reduced input lag

Connect a compatible games console via HDMI 2.1 and the projector switches to Auto Low Latency Mode for responsive, fast-paced gaming excitement with reduced input latency.

Light and compact

Lighter and more compact than most native 4K home cinema projectors, the VPL-XW8100ES and XW6100ES simplify ceiling-mounted installation.

Ready for action

Out-of-the-box picture settings including colour and gamma are fine-tuned for home cinema watching, saving time on fiddly adjustments during installation.

Great in any space

Lens shift and keystone correction ensure perfectly-proportioned pictures, even in smaller rooms with high ceilings and limited depth.

Seamless integration with home automation systems

BRAVIA Projector 9 is right at the centre of your connected home entertainment world. Certified for compatibility with leading automation protocols such as Control4, Crestron, Savant and AMX, as well as remote maintenance services including OvrC and Domotz.

Entertainment that's more environmentally friendly

Enjoying great home entertainment doesn't have to mean compromising on sustainability. BRAVIA Projector 9 features advanced technologies that save energy and lessen overall impact on the environment.

Enhanced power efficiency

XR Deep Black technology precisely controls laser output frame by frame, reducing power consumption in dark scenes to improve energy efficiency.

Mercury free

The energy-efficient laser light source doesn't contain any mercury, making our projectors kinder on the environment at every stage of their lifecycle, from production to recycling.

Specifications

Display Device

Display System	SXRD 0.61" x3
----------------	---------------

Panel Resolution	3,840 x 2,160
------------------	---------------

Contrast Ratio

Dynamic	∞ : 1
---------	--------------

Light Source

Light Source	Laser diode
--------------	-------------

Color Gamut

Color Gamut	DCI 95% over
-------------	--------------

Projection Lens

Type	Powered
Zoom Ratio	x2.1
Lens Shift	V:±85% / H:±36%
Throw Ratio	1.35-2.84
Contrast Ratio	5

Light Output

Light Output	3.400 lm
--------------	----------

Picture Processor

Picture Processor	XR Processor for projector
Contrast	XR Dynamic Tone Mapping XR Deep Black
Color	XR Triluminos Pro Live Color Enhancer
Clarity	XR Clear Image
Motion	Motionflow

Accepted HDR Format

Accepted HDR Format	HDR10/HLG
---------------------	-----------

Accepted Digital Signals

Accepted Digital Signals

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

Input Lag

Input lag (4K 120P / 4K 60P / 2K 120P) 12ms / 21 ms / 12 ms

Anamorphic Compatibility

Anamorphic Compatibility Yes

Inputs / Outputs

HDMI	x 2 (HDMI2.1/HDCP2.3)
REMOTE	x1 (RS-232C, D-Sub 9-pin (Male))
IR IN	x 1 (Mini jack)
TRIGGER	x 1 (Mini jack, DC 12 V, Max. 100 mA)
LAN	1 (RJ45, 10BASE-T/100BASE-TX)
3D SyncOut	No
USB	1 (Type A, DC 5 V, Max. 500 mA) for Update

Acoustic Noise

Acoustic Noise	33 dB /26 dB
----------------	--------------

Power Requirements

Power Requirements	AC 100 V to 240 V, 4.4 A to 2.0 A, 50/60 Hz
--------------------	---

Ventilation

Ventilation (In / Ex)	Front/Back
-----------------------	------------

Accessibility

Screen reader/Text

magnification by web browser Yes

Power Consumption

Power Consumption 420W

Standby 0.3 W (when "Remote Start" is set to "Off")

Networked Standby 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 (0.4W).

Standby Mode / Networked Standby Mode Activated

Standby Mode / Networked Standby Mode Activated After about 10 Minutes

Dimensions w/o Protrusion

Dimensions (W x H x D) Width: 460 mm, 18 1/8"
Height: 210mm, 8 9/32"
Depth: 517 mm, 20 11/32"

Other Functions

Other Functions	Ceiling mount/Front/Rear
Picture Mode	10 (Cinema Film1/2/Reference/TV/Photo/Game/Bright Cinema/Bright TV/User/IMAX Enhanced)
Gamma Correction	10 (HDR/SDR)
Color Correction	Yes
Blanking	Yes (Improved)
Digital Keystone Correction	Yes
3D	No
Panel Alignment	Shift/Zone: 1/10 dot
Calibration Soft	Yes (Projector Calibration Pro)
OSD Languages	18-languages (English, Dutch, French, Italian, German, Spanish, Portuguese, Turkish, Russian, Swedish, Norwegian, Japanese, Simplified Chinese, Traditional

Chinese, Korean, Thai, Arabic, Polish)

Mass

Mass 14kg / 31lb

Supplied Accessories

Supplied Accessories Remote control (RM-PJ24) (1) Size AA (R6/LR6) batteries (2) Lens cap (1) AC power cord (1 for UC7/C1) Setup Guide (1)

Set Up Guide (inc.Safety Regulation)

OSD Languages Yes (US/FR/ES/DE/IT/CS)

Notes

*1 [Sony Security support information for the UK \(https://www.sony.co.uk/electronics/support/articles/00304000\)](https://www.sony.co.uk/electronics/support/articles/00304000)

Gallery

