SONY

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VPL-VW90ES

Full HD 3D Home Cinema Projector with Sony's market-leading SXRD panels and outstanding dynamic contrast ratio

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The VPL-VW90ES is a Full HD 3D projector designed to satisfy serious home cinema enthusiasts, with an outstanding 3D picture and a wide range of innovative Sony technologies.

Built around Sony's Cinema-Quality SXRD panel technology, the VPL-VW90ES delivers exactly what 3D connoisseurs demand: a vibrant, bright 3D picture delivered to screens as big as 300".

The system uses frame-sequential projection via IR LED-switching glasses, and with a 240Hz refresh rate, adjustable 3D settings and a true 150,000:1 Dynamic Contrast Ratio, the VPL-VW90ES delivers an immersive, natural home 3D experience.

2D performance isn't compromised either, and 2D sources can be converted to 3D; so with an ever increasing number of Blu-Ray 3D movie titles and 3D games for Playstation 3, there's no shortage of 3D content.

Sony leads the world in 3D Digital Cinema Projection, and now its SXRD panel technology has been adapted for use in home projectors for a true 3D home cinema experience.

PrimeSupport

- Cover for three years– from the product purchase date.

- Specialist telephone support– an exclusive multilingual telephone helpline staffed by technical experts with detailed understanding of Projector products.

- Collect-and-deliver repair service– if your problem cannot be resolved via the helpline, we'll activate our no-hassle collect-and-deliver repair service. All financial costs are covered – parts, labour and logistics to and from our state-of-the-art European repair centres.

- PrimeSupport will be provided through the Sony accredited partner

With VPL home projectors, PrimeSupport also includes:

- Free loan unit– you'll receive a free loan unit of similar specification if repairs are likely to exceed 10 working days, minimising your disruption.

Sony. The clear choice for 3D home cinema.

Features

Full HD 1080p 3D Home Cinema projection system
A true 3D 1080p cinema projection system for a superb 3D cinematic experience.

Sony's New SXRD Panel technology
The VPL-VW90ES uses Sony's unique SXRD 3 panel display system for smooth, dot-free display, vivid colours and massive true dynamic contrast ratio (80,000:1). Three separate red, blue and green panels combine to give a virtuoso colour performance, with exceptional detail.

Full HD resolution in 3D mode
Sequential Frame delivery means that each frame, for each eye, is shown using the full HD resolution of the projector, so there is no loss of resolution in 3D projection mode.

Flexible 3D setting mode
You can adjust the 3D glasses shutter speed and brightness level. Also adjustable on the VPL-VW90ES is its 3D depth.

240Hz Panel Drive
This projector features SXRD panels that are refreshed at the very high rate of 240Hz, resulting in very low cross-talk from the frame-sequential 3D system. This leads to much more realistic and comfortable viewing.

2D to 3D conversion
The VPL-VW90ES uses Sony's advanced real-time technique for converting 2D source material; Blu Ray / DVD / HD Broadcast / Digital Still Picture into realistic pseudo-3D. This extremely effective process vastly increases the amount of material that can be viewed in 3D mode

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Advanced Iris3 control

This is an automatic iris control feature that enhances the contrast. It maximises black levels without diminishing peak brightness.

Motionflow

Motionflowresults in smoother motion in projected images. It has two modes: one creates "intermediate" frames to reduce jerkiness, and the other inserts a dark frame instead of repeating frames where frame-rate conversion is taking place. This creates smoother-looking motion, and a more cinema-like appearance.

True 24p mode

True 24p modedisplays material at a genuine 24 frames per second for an authentic, film-like appearance. Watch films exactly as the creators intended.

Anamorphic Zoom mode

With this feature, you can see films in their original cinematic aspect ratio (2.35:1 for example) in full resolution, without cropping or "letterbox" black bands above and below the picture. This does require a third-party a third-party lens adaptor.

Electronically Adjustable Lens Shift

Electronically adjust the projector's lens shift, making it easier to install into a wide variety of locations.

Multiple Cinema Modes

Users can choose from 3 Cinema Modes to match the output of the projector with the characteristics of the projected material. Use this mode in conjunction with Gamma correction adjustments for an even higher degree of control.

Wide range of Gamma correction

A total of 11 Gamma settings provide flexibility to match the brightness curve of the projected image to the image content.

White and Black Level adjustment

Directly adjust white and black levels from the menu

10-bit colour delivery

With 10-bit colour, the VPL-VW90ES delivers smoother gradations between shades of the same colour, without the contours that are visible on other displays.

Sony Digital Video Processing System

A set of Sony-developed technologies that applies eight separate processes to video to increase sharpness and colour clarity.

Automatic motorised lens protector

The VPL-VW90ES is equipped with an automatic motorised lens protector that opens when the projector is powered on, and closes when it is powered off. This keeps the dust of the lens, without users having to remember to fit a lens cap.

Wide range of inputs

The VPL-VW90ES features a wide range of inputs for connection to a variety of sources. Inputs include HDMI 1.4 (2) VGA, Component, S-Video and Composite.

Compatibility with BRAVIA Sync (HDMI CEC)

Control not only the projector but also BRAVIA sync compatible equipment with the supplied remote control.

Extremely low fan noise (as low as 20dB)

A highly effective cooling system means that fan noise is kept to an absolute minimum. With an ultra-quiet fan, users can watch even the quietest parts of movies with no audible distractions from the projector.

Technical Specifications

Specifications	
Projection system	New SXRD panel, 1 lens, projection system
Panel	0.61-inch (15.4mm) Full HD SXRD panel,
Contrast	Dynamic contrast 150,000:1
Brightness	1,000 ANSI Lumem
Lens	1.6 times zoom lens (manual),
	f=18.5 to 29.6 mm / F2.50 to F3.40
Lamp Type	200W Ultra High Pressure Lamp
Projection picture size	40 to 300 inches (1,016mm to 7,620mm) (measured diagonally)

Colour System	NTSC3.58/PAL/SECAM/ NTSC4.43/PAL-M/PAL-N system (switched automatically/ manually)
Acceptable Video Signals	15kHz RGB/component 50/ 60Hz, Progressive component 50/60Hz, 480/60i, 576/ 50i, 480/60p, 576/50p, 720/ 60p, 720/50p, 1080/60i, 1080/50i,1080/48i, 1080/ 60p(HDMI input only), 1080/ 50p(HDMI input only), 1080/ 24p(HDMI input only), Composite video, Y/C video
Video Input	1
Component Input	1
SVideo Input	-
PC Input	1

HDMI	2 (Digital RGB / Y Cb(Pb) Cr(Pr))
2D SYNC	RJ-45
Trigger	Mini jack Selectable : Power / Anamorphic zoom
Remote (RS-232C)	D-sub 9-pin (Female)
IR IN (control-s)	Mini jack
Gamma mode	11
Cinema mode	3
3D Capable	Yes
3D Glasses (including battery)	3D Glasses (2) , batteries (2)
	Pouch for the 3D Glasses (2)
FIlter attachment for 3D Glasses	Regular size (2 pair), Small size (2 pair)
	Conversion cable (3D SYNC) (1)

Projector Lamp	LMP-H201 (for replacement)
Remote Control	Remote Commander RM-PJVW85
Operating Instructions	Operating Instructions(1)
CD_ROM	Image Director3 (1)
Projector Suspension Support	PSS-H10
Dimensions (w/h/d)	470x179.2x484.9 mm
Power requirements	AC 100 to 240V, 3.0-1.3A, 50/60H z
Power consumption	Max.:320W,
	Standby mode(low):0.5W (default) Standby mode (standard): 8W
Mass	Approx. 12kg