

VPL-VW290ES

4K SXRD Home Cinema Projector with 1,500 lumen brightness, HDR Compatible and 4K Motionflow™



Overview

Bring incredible 4K detail to your favourite movies

Imagine bringing the truly cinematic quality of 4K into your own home. Now you can make this a reality with our VPL-VW290ES Home Cinema projector.

The VPL-VW290ES produces true 4K resolution images with our native 4K (4096 x 2160) SXRD panels - that's over four times the quality of Full HD.

Designed for your home cinema room and living room, the VPL-VW290ES delivers stunning, detail-packed images and incredibly lifelike colour like never before. And with 1,500 lm brightness, you're guaranteed an exceptional picture.

Colour availability may vary by country

Features

Native 4K SXRD™ panel

Featured in Sony's digital cinema projectors, advanced SXRD (Silicon X-tal Reflective Display) panel technology 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.

See richer, deeper blacks

Latest SXRD 4K 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 panel's reflective silicon layer now mean even better light control, for precisely reproduced shadows and blacks.

Super-resolution Reality Creation

Exclusive Reality Creation technology analyses images right down to the pixel level. It uses powerful pattern-matching algorithms developed over years of movie production to enhance image crispness without increasing digital picture noise. It also upscales existing full HD Blu-ray Disc™ and DVD movies to near 4K quality.

Colours come alive with TRILUMINOS™

Discover true-to life colours and tones. The VPL-VW290ES incorporates TRILUMINOS colour, reproducing more tones and textures than standard projectors. 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 faithfully reproduced skin tones.

HDR compatibility: every image comes to life

Get the most from today's UHD Blu-ray and streaming services with High Dynamic Range. HDR video offers an expanded brightness range that delivers more realistic, high-contrast images and brilliant colours. Compatible with both HDR10 and HLG (Hybrid Log-Gamma) formats. Sony's home cinema projectors reproduce colour and contrast that's faithful to the creator's intention.

HDMI 18 Gbps compatibility

With an increase in 4K HDR 60P content, the VPL-VW290ES is now HDMI 18 Gbps compatible for smoother expressions of gradations.

4K Motionflow™

The powerful video processor in the VPL-VW290ES offers Motionflow™ for smooth and clear motion even when viewing 4K content. Motionflow adds frames to reduce blur, while maintaining brightness, making it ideal for fast-moving sports content. Cinema purists can choose True Theatre mode to retain the original 24fps.

1,500 lumens for high brightness

Enjoy the action with up to 1,500 lumens brightness, generated by a 225W lamp, for vibrant images on screens.

Watch for longer with a 225W ultra high pressure lamp

Enjoy up to 6000 hours* of viewing time (in low mode) from a long-lasting lamp. This means fewer lamp swaps, simpler maintenance, and lower running costs.

*Approximate recommended period, in low mode.

Motorised zoom lens and wide lens shift

Installing this projector in your room is easy with a 2.06x motorised zoom with a wide lens shift range. Adjust the position of the projector up to 85% vertically and 31% horizontally to get just the right angle for your movies.

Select from nine calibrated picture modes

Quickly set the picture to what you're watching or playing. Select from nine calibrated picture modes, including two theatre film modes, cinema digital, reference, TV, photo, game, bright cinema, and bright TV. An advanced HSV (Hue Saturation Value) colour tuning tool gives you even more control.

Front-facing fan

As the fan is positioned at the front of the projector, you don't need to worry about wall space and clearance for air inhale/exhaust during installation. This helps maximise throw distance for bigger projected images.

Specifications

Display System

Display System	4K SXRD panel, projection system
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Display device

Size of effective display area	0.74" x 3
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Number of pixels	26,542,080 (4096 x 2160 x 3) pixels
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Projection lens

Focus	Powered
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Zoom	Powered (Approx. x 2.06)
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Lens shift	Powered Vertical: +85% -80% Horizontal: +/-31%
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Throw ratio*1	1.38 : 1 to 2.83 : 1
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Light source

High-pressure mercury lamp,

Light source 225 W type

Recommended lamp replacement time *2

Recommended lamp replacement time*2 6,000 H (Lamp mode: Low)

Screen size

Screen size 60" to 300" (1,524 mm to 7,620 mm)

Light output

Light output 1,500 lm (Lamp mode: High)

Colour light output

Colour light output 1,500 lm (Lamp mode: High)

Accepted digital signals

Accepted digital signals 720x576/50p, 720x480/60p, 1280x720/50p, 1280x720/60p, 1920x1080/50i, 1920x1080/60i, 1920x1080/24p, 1920x1080/50p, 1920x1080/60p, 3840 x 2160/24p, 3840 x 2160/25p, 3840 x 2160/30p,

3840x2160/50p,
 3840x2160/60p, 4096 x
 2160/24p, 4096 x 2160/25p,
 4096 x 2160/30p,
 4096x2160/50p,
 4096x2160/60p,

OSD language

OSD language 18-languages (English, Dutch, French, Italian, German, Spanish, Portuguese, Turkish, Russian, Swedish, Norwegian, Japanese, Simplified Chinese, Traditional Chinese, Korean, Thai, Arabic, Polish)

INPUT OUTPUT

HDMI*3	x 2 (HDCP2.2)
Trigger	x 1 (Mini jack, DC 12 V, Max. 100 mA)
RS-232C	x1 (D-sub 9-pin (male))
LAN	x1 (RJ-45, 10BASE-T/100BASE-TX)
IR IN / OUT	IN: x 1 (Mini jack)
USB	x 1 (Type A, DC 5 V, Max. 500 mA)

Picture processor

Picture processor X1 for projector

Acoustic Noise*4

Acoustic Noise*4 26 dB

Operating temperature / Operating humidity

Operating temperature / Operating humidity 5°C to 35°C (41°F to 95°F) / 35% to 85% (no condensation)

Storage temperature / Storage humidity

Storage temperature / Storage humidity -20°C to +60°C (-4°F to +140°F) / 10% to 90% (no condensation)

Power Requirements

Power Requirements AC 100-240 V, 50/60 Hz

Power Consumption

Power Consumption 390 W

Standby 0.4 W (when "Remote Start" is set to "Off")

1.0 W (LAN) (when "Remote

Networked Standby	Start" is set to "On") When a LAN terminal is not connected, it becomes a low power consumption mode (0.5 W)
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Standby Mode / Networked Standby Mode Activated

Standby Mode / Networked Standby Mode Activated	After about 10 Minutes
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3D

3D capability	Yes
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3D emitter	Built-in RD emitter
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Dimensions (Without Protrusions)

Dimensions (Without Protrusions)	W 496 x H 205 x D 464 mm (W 19 1/2 x H 8 3/32 x D 18 1/4 in)
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Mass

Mass	Approx. 14 kg / 31 lb
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Supplied accessories

RM-PJ28 Remote Commander (1), Size AA (R6) Manganese

Supplied
Accessories

Batteries (2), AC Power Cord
(1), Lens Cap (1), Quick
Reference Manual (1), Safety
Regulations (1)

Optional Accessories

Optional
Accessories

LMP-H220 (Lamp)

Notes

*1

Display size: 16:9

*2

The figures are expected
maintenance time and not
guaranteed. They will depend
on the environment or how
the projector is used.

*3

HDMI Input2 is compatible
with HDCP 2.2.

*4

Depends on the projector
setting condition and usage
environment.

Environmental
notice for
customers in the
USA

Lamp in this product contains
mercury. Disposal of these
materials may be regulated
due to environmental
considerations. For disposal
or recycling information,
please contact your local