

VPL-VW290ES

4K SXR D 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) SXR D 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 SXR D™ panel

Featured in Sony's digital cinema projectors, advanced SXR D (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 |
|----------------|----------------------------------|

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 |
|------------------|-------------------------------------|

Projection lens

| | |
|-------|---------|
| Focus | Powered |
|-------|---------|

| | |
|------|--------------------------|
| Zoom | Powered (Approx. x 2.06) |
|------|--------------------------|

| | |
|------------|--|
| Lens shift | Powered Vertical: +85% -80% Horizontal: +/-31% |
|------------|--|

| | |
|---------------|----------------------|
| Throw ratio*1 | 1.38 : 1 to 2.83 : 1 |
|---------------|----------------------|

Light source

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|--------------|--|
| Light source | High-pressure mercury lamp, 225 W type |
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Recommended lamp replacement time *2

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

Screen size

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

Light output

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

Colour light output

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

Accepted digital signals

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|--------------------------|---|
| 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")

Networked Standby 1.0 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 / Networked Standby Mode Activated

| | |
|---|------------------------|
| Standby Mode / Networked Standby Mode Activated | After about 10 Minutes |
|---|------------------------|

3D

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

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|----------------------------------|--|
| 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) |
|----------------------------------|--|

Mass

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|------|-----------------------|
| Mass | Approx. 14 kg / 31 lb |
|------|-----------------------|

Supplied accessories

RM-PJ28 Remote Commander (1),

Supplied Accessories Size AA (R6) Manganese 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 Lamp in this product contains mercury. Disposal of these materials may be regulated due to environmental considerations. For

for customers in the
USA

disposal or recycling information,
please contact your local
authorities or see
www.sony.com/mercury for
additional information.

Gallery

