

# SONY

## VPLVW325ES

### 4K HDR Home Theater Projector

Big scenes are even bigger with the VW325ES 4K HDR Home Theater Projector. Bring lifelike 4K HDR resolution to any room at screen sizes up to 200" with the X1™ processor for projector<sup>1</sup>. 1,500 lumens of brightness light up the action with Motionflow™ and Advanced Reality Creation technologies, creating a crisp, sharp picture in every scene.



### Bullets

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- X1™ processor for projector brings you the best of Sony's image processing
- Dynamic HDR Enhancer brings a wider contrast range scene by scene for striking and realistic picture quality
- Full Native 4K resolution on 3 SXRD imagers: 4096 x 2160 pixels each
- Motionflow™ provides smooth motion for 4K & HD <sup>1</sup>
- High Dynamic Range brings a wider contrast range for improved realism
- High brightness of 1,500 Lumens
- Advanced Reality Creation for upscaling and sharpening images without sharpening picture noise <sup>2</sup>
- Input lag reduction ensures faster refresh rate for gamers
- TRILUMINOS™ Display for wider array of rich colors
- Enjoy the latest 4K content services with HDCP 2.2 compatibility on both 18 Gbps HDMI inputs <sup>3</sup>
- Anamorphic lens compatibility for 4K signals (V-stretch for 4K)

### Features

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#### Sony X1™ processor for projector

X1™ processor for projector is an innovative technology that uses advanced algorithms to cut noise and boost detail with high-precision frame analysis.

#### Dynamic HDR Enhancer

Dynamic HDR Enhancer powered by X1 for projector enhances contrast scene by scene in combination with iris-controlled light output control to deliver stunning 4K HDR images.<sup>1</sup>

#### Native 4K resolution for lifelike pictures.

With more than four times the resolution of Full HD, <sup>1</sup> native 4K offers up to 8.8 million pixels (4096 x 2160) for a picture that's so incredibly lifelike, it's like looking at the real thing.

#### SXRD™ Imagers times 3

Separate imagers for Red, Green, and Blue channels give you all 8.8 million pixels in full, rich color at every instant.



## **HDR Reference Mode option**

HDR Reference Mode allows clipping for the brightest displayed pixels to create a richer gradation in bright parts of the scene and retain HDR that's true to the creator's intent.

## **Motionflow™ provides smooth motion for 4K & HD**

On-screen action looks smoother with Motionflow™, even in 4K content. <sup>1</sup> Action in movies, sports, and video games appears incredibly clear and lifelike, as if you were there in real life.

## **High brightness and contrast (1,500 lumens)**

With an impressive 1,500 lumens brightness and a wide contrast range, 4K images are clear with bright highlights and rich, deep blacks – even in well-lit rooms.

## **Reality Creation upscales your favorites**

Upscale your existing Blu-ray Disc™ and DVD movies to near-4K quality. <sup>2</sup> The super-resolution Reality Creation 4K upscaler analyzes every pixel in any direction, then employs a digital signal processing algorithm to map pixels against an ever-evolving picture patterning database compiled from over 10 years of expertise, enhancing colors, contrast, and textures without enhancing image artifacts.<sup>2</sup>

## **Colors come alive with TRILUMINOS™ Display**

Discover true-to-life colors and tones. The VPL-VW325ES incorporates TRILUMINOS™ Display color, reproducing more tones and textures than a standard projector system. Hard-to-reproduce crimson reds, aqua blues, and emerald greens are displayed beautifully, so landscapes and seascapes look more vivid. Faces also look better, with skin tones more faithfully reproduced.

## **Enjoy all types of content in 4K HDR.**

Bring ultra high-definition images to all your content. The VPL-VW325ES can project content at up to 60 frames per second (fps) in 4K for even smoother images with superior color and realism. Both 18 Gbps HDMI inputs support HDCP 2.2 so you can enjoy more of the latest 4K content services and full resolution gaming.<sup>3</sup>

## **Input lag reduction for gamers.**

Reduced input lag creates a better response time between control input and on-screen action, making video games perform better than ever before. Immerse yourself in your favorite games and beat your opponent to the punch.

## **Anamorphic lens compatibility for 4K signals (V-stretch for 4K)**

Wide lens compatibility means that you can use your legacy anamorphic lenses with ease, even with 4K content. Watch your content in your favorite formats.

## **Watch for longer with a 225 W high-pressure lamp.**

Enjoy up to 6,000 hours of watch time (in low mode) from a long-lasting mercury lamp. <sup>5</sup> This means fewer lamp swaps, simpler maintenance, and lower running costs.

## **Flexible home installation with wide zoom and shift lens**

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The powered zoom lens with a 2.1x zoom ratio and wide lens shift range gives greater installation flexibility in any room size, even with a high ceiling.

## Front-facing fan

With the fan exhaust positioned at the front of the projector, you don't need to worry about wall clearance and room for air intake/exhaust when installing. This helps maximize throw distance for the biggest possible projected images.

## IMAX Enhanced

Sony 4K projectors are compatible with IMAX Enhanced content, making them ready to deliver the bigger, more breathtaking IMAX visuals you love in compatible content. Take advantage of the size of your projector screen with movies that become even more immersive with IMAX Enhanced.<sup>4</sup>

## Specification

Size & Weight	
DIMENSIONS (W X H X D)	19 1/2" x 8 3/32" x 18 1/4"
WEIGHT	Approx. 31 lb (14 kg)
Display	
DISPLAY SYSTEM	4K SXRD panel, projection system
DISPLAY RESOLUTION	720 x 576/50p, 720 x 480/60p, 1280 x 720/50p, 1280 x 720/60p, 1920 x 1080/50i, 1920 x 1080/60i, 1920 x 1080/24p, 1920 x 1080/50p, 1920 x 1080/60p, 3840 x 2160/24p, 3840 x 2160/25p, 3840 x 2160/30p, 3840 x 2160/50p, 3840 x 2160/60p, 4096 x 2160/24p, 4096 x 2160/25p, 4096 x 2160/30p, 4096 x 2160/50p, 4096 x 2160/60p
LIGHT SOURCE	High-pressure mercury lamp, 225 W type
PICTURE PROCESSOR	X1™ for projector
General Features	
EFFECTIVE DISPLAY SIZE	0.74" x 3
EFFECTIVE PIXELS	26,542,080 (4096 x 2160 x 3) pixels
PROJECTION LENS SHIFT	Vertical: +85% -80% Horizontal: +/-31%
THROW RATIO	1.38 : 1 to 2.83 : 11
Hardware	
PROJECTION LENS ZOOM / FOCUS	Powered (Approx. x2.06)
Interface	

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INPUT AND OUTPUT TERMINALS	HDMI (2 INPUTS)2 - 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 - DC 5 V, Max. 500 mA
<b>Operating Conditions</b>	
OPERATING TEMPERATURE / HUMIDITY	41 °F to 95 °F (5 °C to 35 °C)/35% to 85% (no condensation)
STORAGE TEMPERATURE / HUMIDITY	-4°F to +140°F (-20°C to +60°C)/10% to 90% (no condensation)
<b>Power</b>	
ACOUSTIC NOISE	26 dB3
POWER REQUIREMENT	AC100 V to 240 V, 4.0 A to 1.7 A, 50/60 Hz
POWER CONSUMPTION	390 W
<b>Video Features</b>	
LIGHT OUTPUT	1500 lm (Lamp mode: High)4
COLOR LIGHT OUTPUT	1500 lm (Lamp mode: High)4
<b>Eco and energy saving</b>	
POWER CONSUMPTION (STANDBY MODE)	0.4 W (When "Remote Start" is set to "Off")
POWER CONSUMPTION (NETWORKED STANDBY MODE)	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 ACTIVATED	After about 10 Minutes
<b>What's In The Box</b>	
Remote Control (RM-PJ28) Size AA (R6) manganese batteries (2) AC Power Cord (1) Lens Cap (1)	Operating Instructions (CD-ROM) Quick Reference Manual (1) Safety Regulations (1)

1. 4096 x 2160 resolution.
2. Upscaled, simulated and enhanced 4K images will vary based on source content.
3. Requires HDMI® cable sold sep.
4. IMAX Enhanced content enables full IMAX Enhanced experience with compatible streaming services such as Fandango Now (US only) and BRAVIA CORE, or compatible content device connected via HDMI input (sold sep).
5. Depending on usage environment.

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