TOPAV TECHNOLOGY SOLUTIONS

VPL-VW290ES

See the Big Picture in Native 4K HDR

4K HDR | 1,500lm

4K HDR SXRD X1 for projector

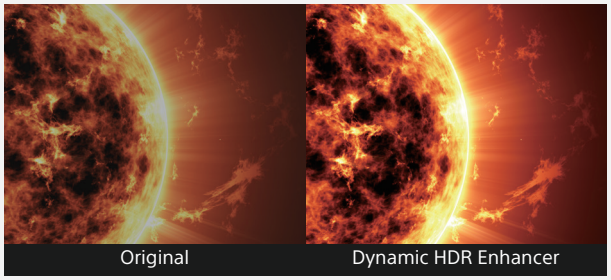
At a glance

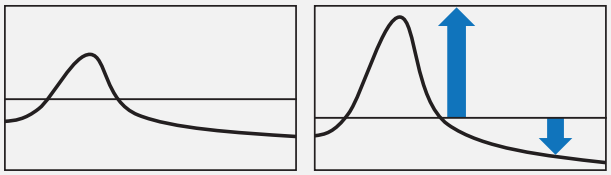
- Native 4K resolution: 4096x2160
- 1,500 ANSI lumens
- Advanced 3 panel SXRD technology
- Very high contrast, ideal for HDR
- X1™ for projector processing for optimised HDR and super resolution upscaling.
- Input lag reduction, ideal for gaming. 27ms with 4K60p

The VPL-VW290ES Native 4K Home Cinema Projector with 1,500 lumens brightness and X1™ for projector brings entertainment beautifully to life with 4K HDR picture quality in every living space. This model's great value lets you take full advantage of the latest content with impressive sharpness and vivid color, whether you're watching sports, enjoying movies, or playing games.

Dynamic HDR Enhancer

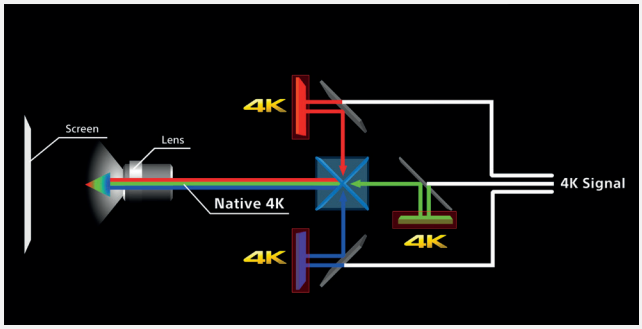
Powered by the X1™ for projector, Dynamic HDR Enhancer delivers the optimal projected HDR experience through Sony's advanced frame by frame HDR processing. Achieve striking highlights whilst maintaining deep black levels.





Optimal colours with 3 SXRD panels

All Sony home cinema projectors utilise a 3 panel SXRD architecture, one for each colour - Red, Green and Blue. A 3 panel architecture enables accurate colour reproduction whilst maintaining a high colour light output for excellent HDR performance.



Native 4K SXRD™ panel

Advanced Sony SXRD (Silicon X-tal Reflective Display) panel technology featured in Sony's digital cinema projectors 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.

Native 4K Panel

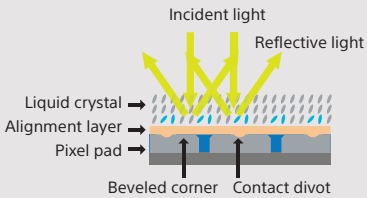
4096 x 2160 (8.8 million pixels)

SXRD

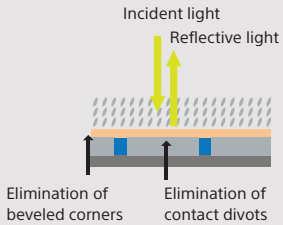
See deeper blacks with 4K SXRD panels

Latest SXRD 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 silicon layer now mean even better light control, for precisely delivered shadows and blacks.

Conventional SXRD



Latest SXRD



Simulated images

Higher contrast

Specifications

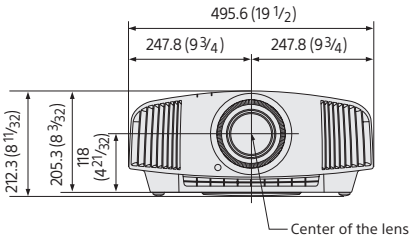
		VPL-VW290ES
Display system		4K SXRD panel, projection system
Display device	Size of effective display area	0.74" x 3
	Number of pixels	26,542,080 (4096 x 2160 x 3) pixels
Projection lens	Focus	Powered
	Zoom	Powered (Approx. x 2.06)
	Lens shift	Powered, Vertical: +85 % -80 %, Horizontal: +/-31 %
		–
	Throw ratio	1.38 : 1 to 2.83 : 1
		–
Light source		High-pressure mercury lamp, 225 W type
Recommended lamp replacement time		6000 H (Lamp mode: Low)
Light output		1500 lm (Lamp mode: High)
Dynamic contrast		–
Accepted digital signals		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
Input Output (Computer / Video / Control)	HDMI	x 2 (HDCP2.2)
	Display Port	–
	Trigger	x 1 (Mini jack, DC 12 V, Max. 100 mA)
	RS-232C	x 1 (D-sub 9-pin (male))
	LAN	x 1 (RJ-45, 10BASE-T/100BASE-TX)
	IR IN / OUT	IN: x 1 (Mini jack)
	3D SYNC OUT	–
	USB	x 1 (Type A, DC 5 V, Max. 500 mA)
Picture processor		X 1 for projector
Object-based HDR remaster		–
Dynamic HDR Enhancer		Yes
Object-based Super Resolution		–
Super Resolution		Yes
Dual database processing		–
Digital Contrast Optimizer		–
Digital Focus Optimizer		–
Dynamic contrast control		–
Motionflow		Yes
HDR Format		HDR10/HLG
3D		Yes
Picture position memory		–
Input lag reduction		Yes (4K/2K)
Acoustic noise		26 dB
Power requirements		AC 100-240 V, 50/60 Hz
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")
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		Approx. 14 kg / 31 lb
Supplied accessories		RM-PJ28 Remote Commander (1), Size AA (R6) Manganese Batteries (2), AC Power Cord (1), Lens Cap (1), Quick Reference Manual (1), Safety Regulations (1)
Optional accessories		LMP-H220 (Lamp)

*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 Depends on the projector setting condition and usage environment.

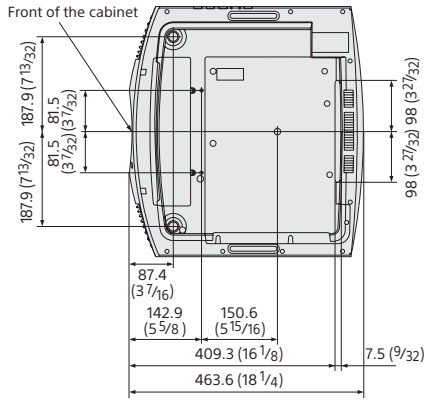
Dimensions

CONNECTOR PANELS

Front



Bottom



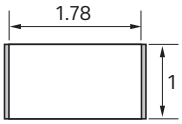
Dimensions: mm (inches)

Optional Accessories

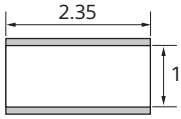
X105-RF-X1
XpanD 3D Glasses

LMP-H220
Projector Lamp
(for replacement)

Projection distance



: Video display area
: Projection area



: Video display area
: Projection area

1.78:1 (16:9)		
Projection image size		Projection distance L
Diagonal	Width × Height	
80" (2.03 m)	1.77 × 1.00 (70 × 39)	2.44 – 5.01 (96 – 197)
100" (2.54 m)	2.21 × 1.25 (87 × 49)	3.05 – 6.28 (121 – 247)
120" (3.05 m)	2.66 × 1.49 (105 × 59)	3.67 – 7.55 (145 – 297)
150" (3.81 m)	3.32 × 1.87 (131 × 74)	4.60 – 9.44 (181 – 371)
200" (5.08 m)	4.43 ×2.49 (174 × 98)	6.15 – 12.61 (242 – 496)

2.35:1		
Projection image size		Projection distance L
Diagonal	Width × Height	
80" (2.03 m)	1.87 × 0.80 (74 × 31)	2.41 – 4.96 (95 – 195)
100" (2.54 m)	2.34 × 0.99 (92 × 39)	3.02 – 6.22 (119 – 244)
120" (3.05 m)	2.80 × 1.19 (110 × 47)	3.64 – 7.47 (143 – 294)
150" (3.81 m)	3.51 × 1.49 (138 × 59)	4.55 – 9.35 (180 – 368)
200" (5.08 m)	4.67 × 1.99 (184 × 78)	6.08 – 12.48 (240 – 491)

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