VPL-VW790ES

Home Cinema entertainment at its very finest











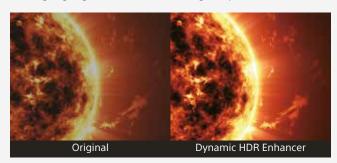
At a glance

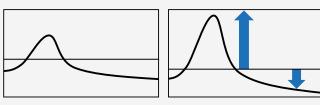
- Native 4K resolution: 4096x2160
- 2,000 ANSI lumens
- Laser light source, 20,000hours virtually maintenance free
- 'X1 for Projector' picture processing
- Dynamic HDR Enhancer for spectacular HDR images
- Infinite dynamic contrast with dual contrast engine
- Digital Focus Optimizer (DFO) for enhanced corner to corner clarity

An ideal choice to fit in your theater room. The VPL-VW790ES, with Dynamic HDR Enhancer and Digital Focus Optimizer functions, brings movies to life with extraordinary cinematic detail, color, and contrast that you'd expect from a much bigger, more costly projector. Savor the action with 2,000 lumens of brightness, delivered by the long-lasting laser light source, and see vibrant images in dark or well-lit rooms.

Dynamic HDR Enhancer

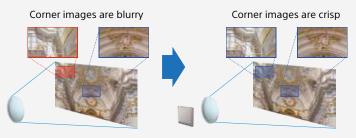
Deliver the optimal projected HDR experience through Sony's advanced scene by scene HDR processing. Achieve striking highlights whilst maintaining deep black levels.





Digital Focus Optimizer

Optimum focus is achieved not only optically, but also digitally. By analyzing every pixel of the images with our own algorithm and detecting possible degradation in advance, the Digital Focus Optimizer performs optimum image quality correction so that the focus is better than ever, even in the corners.



Precompensate by Digital Focus Optimaizer

Native 4K SXRD[™] panel

Sony's advanced 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)



Laser Light Engine

Sony's Z-Phosphor laser light engine offers enhanced picture quality with consistent brightness and colours for the long term. Also there are operational benefits with virtually

zero maintenance for 20,000 hours, with no lamp or filter changes, and fast on/off so you can enjoy your content quicker than ever before.



Dual Contrast Control

Both the iris control and laser can be adjusted independently and dynamically, to optimize light output for both dark scenes, and those with high contrast. The result is deeper blacks than

ever, as infinite dynamic contrast makes every scene spring to life with detail and realism.



Specifications

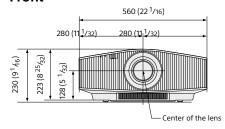
Display system Size of effective display area A74" x 3			VPL-VW790ES	
Display device	Display system			
Number of pixels		Size of effective display area		
Projection lens	Display device			
Downword Approx x 2.06 Powered Approx x 2.06 Powered Approx x 2.06 Powered Vertical: +85 % -80 %, Horizontal: +/-31 %	Projection lone			
Lens shift	riojectioniens			
Horizontal: +/-31 %				
Throw ratio*1		Lens sniit		
Laser diode			_	
Laser diode		Throw ratio*1	1 20 - 1 to 2 02 - 1	
Recommended lamp replacement time 2,000 lm 2,00		THOW IALIO	1.30 . 1 to 2.03 . 1	
Recommended lamp replacement time*2	Light course		Lacor diada	
Light output		aman yan la sana ant tima a*?	Laser diode	
Dynamic contrast		amp replacement time"	2 000 1	
Accepted digital signals			1	
1280 x 720/50p, 1280 x 720/60p, 1920 x 1080/50i, 1920 x 1080/50i, 1920 x 1080/50i, 1920 x 1080/50i, 1920 x 1080/50p, 1920 x 1080/50p, 1920 x 1080/50p, 1920 x 1080/50p, 3840 x 2160/24p, 3840 x 2160/24p, 3840 x 2160/25p, 3840 x 2160/30p, 4096 x 2160/25p, 3840 x 2160/50p, 3840 x 2160/50p, 3840 x 2160/50p, 4096 x 2160/25p, 4096 x 2160/50p, 4096 x 2160/50p, 4096 x 2160/60p Input Output				
1920 x 1080/50i, 1920 x 1080/50i, 1920 x 1080/50i, 1920 x 1080/50p, 1920 x 1080/50p, 1920 x 1080/50p, 3840 x 2160/24p, 3840 x 2160/30p, 3840 x 2160/50p, 4096 x 2160/60p Input Output	Accepted digital	signals	/ /20 x 5/6/50p, /20 x 480/60p, 1280 x 720/50p, 1280 x 720/60p	
1920 x 1080/24p, 1920 x 1080/50p, 1920 x 1080/50p, 1920 x 1080/60p, 3840 x 2160/24p, 3840 x 2160/24p, 3840 x 2160/25p, 3840 x 2160/30p, 3840 x 2160/30p, 3840 x 2160/30p, 3840 x 2160/50p, 4096 x 2160/60p			1920 x 1080/50i 1920 x 1080/60i	
S840 x 2160/25p, 3840 x 2160/25p, 3840 x 2160/25p, 4096 x 2160/50p, 4096 x 2160/60p Input Output			1920 x 1080/24p, 1920 x 1080/50p.	
S840 x 2160/25p, 3840 x 2160/25p, 3840 x 2160/25p, 4096 x 2160/50p, 4096 x 2160/60p Input Output			1920 x 1080/60p, 3840 x 2160/24p,	
A096 x 2160/24p, 4096 x 2160/50p, 4096 x 2160/60p			3840 x 2160/25p, 3840 x 2160/30p,	
A096 x 2160/24p, 4096 x 2160/50p, 4096 x 2160/60p			3840 x 2160/50p, 3840 x 2160/60p,	
A096 x 2160/60p			4096 x 2160/24p, 4096 x 2160/25p,	
Input Output (Computer / Video / Control) Input Output (Computer / Video / Control) Injugate / Video / Control) Injugate / Video / Control Injugate / Video			4096 x 2160/30p, 4096 x 2160/50p,	
Computer / Video / Control Trigger x 2 (Mini jack, DC 12 V, Max. 100 mA)	Innut Output	LIDMI		
Trigger X 2 (Mini jack, DC 12 V, Max. 100 mA)	(Computer /		X 2 (HDCP2.2)	
RS_232C	Video / Control)		-	
LAN	video / control)			
IR IN / OUT 3D SYNC OUT USB X1 (Type A, DC 5 V, Max. 500 mA) Picture processor X1 for projector Object-based HDR remaster - Dynamic HDR Enhancer Object-based Super Resolution - Super Resolution Ves Dual database processing - Digital Contrast Optimizer Dynamic contrast control Motionflow HDR Format HDR10/HLG 3D Yes Picture position memory Input lag reduction Acoustic noise*3 Power requirements AC 100-240 V, 50/60 Hz Power consumption Standby Networked Standby Dimensions (Without Protrusions) Mass Approx. 20 kg / 44 lib RM-P124 Remote Commander (1), Size AA (R6) Manganese Batteries (2), AC Power Cord (1), Lens Cap (1), Operating Instructions (CD-ROM) (1), Operating Ins				
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USB			IN: x 1 (Mini jack)	
Picture processor Diject-based HDR remaster Dynamic HDR Enhancer Object-based Super Resolution Super Resolution Pes Dual database processing Dijital Contrast Optimizer Dijital Focus Optimizer Dynamic contrast control Motionflow HDR Format Dual contrast control (Laser and Iris) HDR10/HLG DUAL Contrast Control (Laser and Iris) Picture position memory Input lag reduction Acoustic noise*3 Power requirements AC 100-240 V, 50/60 Hz Power consumption Standby Dimensions Without Protrusions) Wes Wes Power onsumption AG 30 W Standby Dimensions Without Protrusions) Wes Wes Power Commander (1), Size AA (R6) Manganese Batteries (2), AC Power Cord (1), Lens Cap (1), Operating Instructions (CD-ROM) (1), Ouick Reference Manual (1), Safety Regulations (1)			=	
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Dynamic HDR Enhancer			X1 for projector	
Object-based Super Resolution Super Resolution Super Resolution Yes Dual database processing Dual database processing Digital Contrast Optimizer Poligital Focus Optimizer Ves Dynamic contrast control Motionflow Yes HDR Format HDR10/HLG 3D Yes Picture position memory Input lag reduction Yes (4K/2K) Acoustic noise*3 24 dB Power requirements AC 100-240 V, 50/60 Hz Power consumption 430 W Standby O.4 W (when "Remote Start" is set to "Off") Networked Standby Dimensions (Without Protrusions) W560 x H 223 x D 496 mm (W 22 1/16 x H 8 25/32 x D 19 17/32 in) Mass Supplied accessories RM-PI24 Remote Commander (1), Size AA (R6) Manganese Batteries (2), AC Power Cord (1), Lens Cap (1), Operating Instructions (CD-ROM) (1), Operating Instructions (CD-ROM) (1), Operating Instructions (CD-ROM) (1), Operating Instructions (CD-ROM) (1), Ouick Reference Manual (1), Safety Regulations (1)			-	
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Dual database processing Digital Focus Optimizer Digital Focus Optimizer Ves Dynamic contrast control Motionflow HDR10/HLG 3D Ves HDR10/HLG 3D Ves Picture position memory Input lag reduction Acoustic noise*3 AC 100-240 V, 50/60 Hz Power requirements AC 100-240 V, 50/60 Hz Power consumption AStandby Networked Standby 1.0 W (LAN) (when "Remote Start" is set to "Off") Networked Standby Networked Standby Dimensions (Without Protrusions) Mass Approx. 20 kg / 44 lib Supplied accessories MM-PJ24 Remote Commander (1), Size AA (R6) Manganese Batteries (2), AC Power Cord (1), Lens Cap (1), Operating Instructions (CD-ROM) (1), Ouick Reference Manual (1), Safety Regulations (1)			-	
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Digital Focus Optimizer	Dual database pr	rocessing	_	
Dynamic contrast control Motionflow Yes HDR10/HLG 3D Yes Picture position memory Input lag reduction Acoustic noise*3 Power requirements AC 100-240 V, 50/60 Hz Power consumption Standby Networked Standby 1.0 W (LAN) (when "Remote Start" is set to "Off") Networked Standby Dimensions (Without Protrusions) W 560 x H 223 x D 496 mm (W 221/16 x H 8 25/32 x D 19 17/32 in) Mass Supplied accessories RM-PJ24 Remote Commander (1), Size AA (R6) Manganese Batteries (2), AC Power Cord (1), Lens Cap (1), Operating Instructions (CD-ROM) (1), Ouick Reference Manual (1), Safety Regulations (1)	Digital Contrast (Optimizer	-	
Motionflow	Digital Focus Opt	timizer	Yes	
HDR Format	Dynamic contras	t control	Dual contrast control (Laser and Iris)	
3D	Motionflow		Yes	
Picture position memory Input lag reduction	HDR Format		HDR10/HLG	
Input lag reduction	3D		Yes	
Input lag reduction	Picture position i	memory	5	
Acoustic noise*3 Power requirements AC 100-240 V, 50/60 Hz Power consumption Standby O.4 W (when "Remote Start" is set to "Off") Networked Standby 1.0 W (LAN) (when "Remote Start" is set to "On") Dimensions W 560 x H 223 x D 496 mm (W 22 1/16 x H 8 25/32 x D 19 17/32 in) Mass Approx. 20 kg / 44 lb Supplied accessories RM-PJ24 Remote Commander (1), Size AA (R6) Manganese Batteries (2), AC Power Cord (1), Lens Cap (1), Operating Instructions (CD-ROM) (1), Quick Reference Manual (1), Safety Regulations (1)			Yes (4K/2K)	
Power requirements				
Power consumption Standby O.4 W (when "Remote Start" is set to "Off") Networked Standby 1.0 W (LAN) (when "Remote Start" is set to "Off") Dimensions (Without Protrusions) W 560 x H 223 x D 496 mm (W 22 1/16 x H 8 25/32 x D 19 17/32 in) Mass Approx. 20 kg / 44 lib Supplied accessories RM-PJ24 Remote Commander (1), Size AA (R6) Manganese Batteries (2), AC Power Cord (1), Lens Cap (1), Operating Instructions (CD-ROM) (1), Ouick Reference Manual (1), Safety Regulations (1)		ents		
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Dimensions (Without Protrusions) W 560 x H 223 x D 496 mm (W 221/16 x H 8 25/32 x D 19 17/32 in) Mass Approx. 20 kg / 44 lb Supplied accessories RM-PJ24 Remote Commander (1), Size AA (R6) Manganese Batteries (2), AC Power Cord (1), Lens Cap (1), Operating Instructions (CD-ROM) (1), Quick Reference Manual (1), Safety Regulations (1)				
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Mass Supplied accessories RM-PJ24 Remote Commander (1), Size AA (R6) Manganese Batteries (2), AC Power Cord (1), Lens Cap (1), Operating Instructions (CD-ROM) (1), Quick Reference Manual (1), Safety Regulations (1)		ions)		
Supplied accessories RM-PJ24 Remote Commander (1), Size AA (R6) Manganese Batteries (2), AC Power Cord (1), Lens Cap (1), Operating Instructions (CD-ROM) (1), Quick Reference Manual (1), Safety Regulations (1)		· ·		
RM-PJ24 Remote Commander (1), Size AA (R6) Manganese Batteries (2), AC Power Cord (1), Lens Cap (1), Operating Instructions (CD-ROM) (1), Quick Reference Manual (1), Safety Regulations (1)	Supplied accessories			
Size AA (R6) Manganese Batteriës (2), AC Power Cord (1), Lens Cap (1), Operating Instructions (CD-ROM) (1), Quick Reference Manual (1), Safety Regulations (1)			RM-PJ24 Remote Commander (1),	
AC Power Cord (1), Lens Cap (1), Operating Instructions (CD-ROM) (1), Quick Reference Manual (1), Safety Regulations (1)			Size AA (R6) Manganese Batteries (2),	
Operating Instructions (CD-ROM) (1), Quick Reference Manual (1), Safety Regulations (1)			AC Power Cord (1),	
Quick Reference Manual (1), Safety Regulations (1)				
Safety Regulations (1)			Operating Instructions (CD-ROM) (1),	
			Quick Reference Manual (1),	
Ontional aggregation			Janety Negalations (1)	
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Dimensions

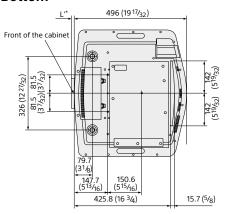
CONNECTOR PANELS



Front



Bottom



Optional Accessories



X105-RF-X1 XpanD 3D Glasses

Projection distance



1.78:1 (16:9)						
Projection	Projection					
Diagonal	Width × Height	distance L				
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	: Video display area

2.35:1						
Projection	Projection					
Diagonal	Width × Height	distance L				
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)				