

SONY



3LCD Laser Projector



Why Sony?

Sony is a major professional in the world of imaging technology, across both consumer and professional applications.

Sony's comprehensive imaging technologies extend across a wide range: lenses, image sensors, image processors, IP transmission, display devices and light sources. Products are developed by engineers with deep and broad experience in imaging technologies.

As a leading global manufacturer for professional users, Sony offers superlative moviemaking and broadcasting, as well as medical equipment and business and educational products.

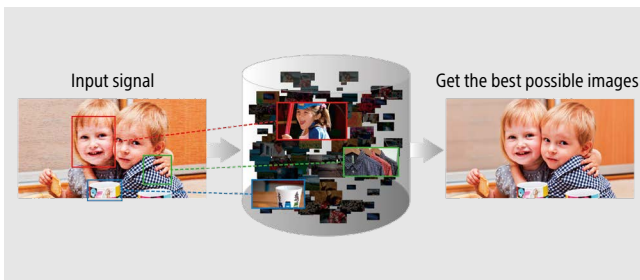


Image quality



Beautiful detail and faithful color reproduction

Sony's BrightEra™ 3LCD panel works with Sony's original Z-Phosphor™ light source to deliver unmatched clarity, color reproduction and brightness.



Sony's 'Reality Creation' engine delivers ultra-high accuracy by combining database-driven, super-resolution processing with image pattern classification. Automatic control of both super-resolution processing and noise reduction ensures stunning image quality, smooth gradations and low noise.

Reliability

Designed to be reliable

Sony's development process ensures that all new products meet our high standards for image quality.

Auto color calibration

The projector automatically adjusts RGB balance to keep accurate color reproduction

Cooling design

A highly efficient heat sink maintains excellent performance over prolonged use.

Dust-proof design

Cleaning robotics and electrostatic filtering maintain efficient ventilation to maintain brightness.

















Simple and discreet

The projector's minimalist design looks great in any space, blending seamlessly into the background of conference rooms, museums, and other sophisticated locations.

An experienced team of designers have created a functional, aesthetically pleasing product that is durable, easy to set up, and easy to use.



3LCD laser projector lineup, by venue

Venue		Large		
				
		Halls, Auditoriums	Museums, Galleries	Bright classrooms, Meeting rooms
Brightness		12,000 lm		9,000 lm
				
Model name		VPL-FHZ120L		VPL-FHZ90L
Lens shift (Maximum)	Vertical	±107%		
	Horizontal	±57%		
Lens type		Intelligent Lens		
Throw ratio		Depends on lens		
Resolution		WUXGA		
Screen size		Depends on lens		
Power consumption (Maximum)	AC 100 V to 120 V	1076 W	840 W	
	AC 220 V to 240 V	1033 W	814 W	
Power requirements		AC		
Dimensions (without protrusions) & weight		Approx. 544 x 205 x 564 mm (27 kg)		Approx. 544 x 205 x 564 mm (26 kg)
Input / output		Input       *1 Output   *1		
Control signal input / output		  		
Reality creation		●		●
Auto calibration		●		●
Automatic filter cleaning		●		●
Edge blending		●		●
Warping		●		●

*1: The FHZ120L supports 3G SDI as an option. *2: shared with HDBaseT *3: support as an option
 *4: PHZ10 does not support correcting deflection

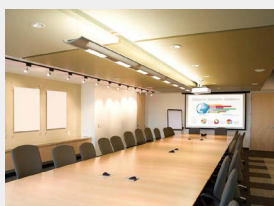


Optional lenses

For VPL-FHZ120L and -FHZ90L

Model name	VPLL-4008	VPLL-Z4111	VPLL-Z4015	VPLL-Z4019	VPLL-Z4025	VPLL-Z4045
Throw ratio	1.00:1	1.30:1 to 1.96:1	1.85:1 to 2.44:1	2.41:1 to 3.07:1	3.02:1 to 5.58:1	5.56:1 to 7.5:1
Zoom	-	Powered	Powered	Powered	Powered	Powered
Focus	Manual	Powered	Powered	Powered	Powered	Powered
Screen size	40" to 600"	60" to 600"	40" to 600"	40" to 600"	40" to 600"	60" to 600"
Lens shift (V, H)	±32%, ±15%	±99%, ±51%	±98%, ±51%	±107%, ±57%	±107%, ±57%	±107%, ±57%
Weight	2.6 kg	4.0 kg	3.0 kg	3.0 kg	2.8 kg	3.0 kg

Small



Large rooms, Large rooms

Mid-sized rooms

SOHO

	6,500 lm	5,500 lm	5,000 lm
	VPL-FHZ75	VPL-FHZ70	VPL-PHZ10
	-5%, +70%		+20% to +55%
	±32%		±10%
Interchangeable			Fixed
	1.39:1 to 2.23:1 (When using the included lens)		1.28:1 to 1.88:1
Resolution (GA (1920 x 1200))			
Screen size	40" to 600"		40" to 300"
	537 W	483 W	424 W
	518 W	468 W	403 W
Voltage	100 V to 240 V		
Dimensions	Approx. 460 x 169 x 515 mm (16 kg)		Approx. 510 x 113 x 354.6 mm (8.7 kg)
Inputs/Outputs	Input: Video, PC, DVI-D, HDMI, Audio, RS-232C, LAN, IR (Control S) input Output: PC, DVI-D, Audio		Input: PC, HDMI, Audio, HDBaseT, Video, RS-232C, LAN *2, USB A, USB B, Wireless *3 Output: PC, Audio
	●	●	●
	●	●	●
	●	●	●
	●	●	-
	●	●	● *4

RCA
 DVI-D
 HDMI
 RJ-45
 D-sub 9 pin
 Stereo mini jack
 USB A
 USB B
 Wireless: IFU-WLM3 (Option)

For VPL-FHZ75, -FHZ70

Model name	VPLL-3003	VPLL-3007	VPLL-Z3009	VPLL-Z3010	VPLL-Z3024	VPLL-Z3032
Throw ratio	0.33:1	0.65:1	0.85:1 to 1.0:1	1.0:1 to 1.39:1	2.34:1 to 3.19:1	3.18:1 to 4.84:1
Zoom	-	-	Manual	Powered	Powered	Powered
Focus	Powered	Manual	Manual	Powered	Powered	Powered
Screen size	80" to 300"	60" to 300"	60" to 300"	60" to 300"	40" to 600"	40" to 600"
Lens shift (V, H)	±5%, ±5%	+10%/-5%, +/-4%	+50%/-5%, ±24%	+60%/-5%, +/-29%	+60%/-5%, +/-32%	+60%/-5%, +/-32%
Weight	2.9 kg	1.7 kg	1.7 kg	2.0 kg	1.2 kg	1.2 kg



VPL-FHZ120L

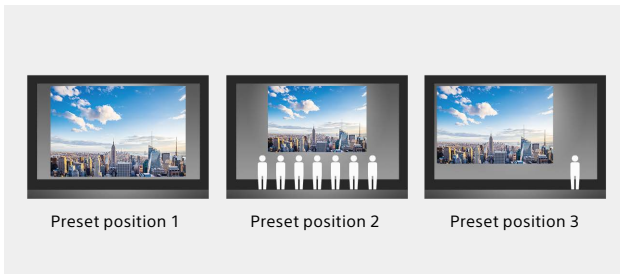
12,000lm, WUXGA

VPL-FHZ90L

9,000lm, WUXGA

The latest in high-brightness laser projectors

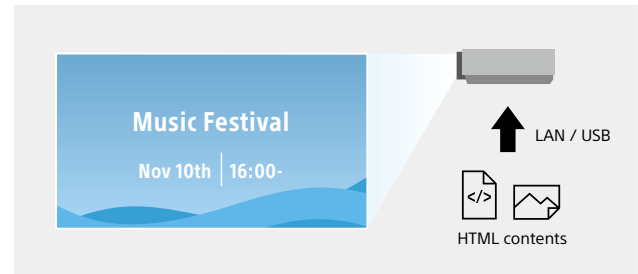
Picture position preset



Recall the preset position and size at the push of a button.

- * Users are required to prepare a switcher
- * Requires optional VPLL-Z4111 lens

New HTML content display function



Project customized images such as logos or advertisements via LAN or USB, even when the projector is not in use.

- * This function supports 16:9 only



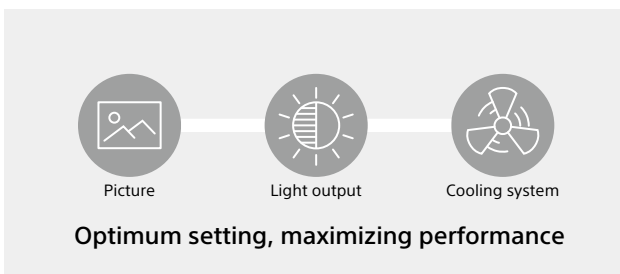
VPL-FHZ75

6,500lm, WUXGA

VPL-FHZ70

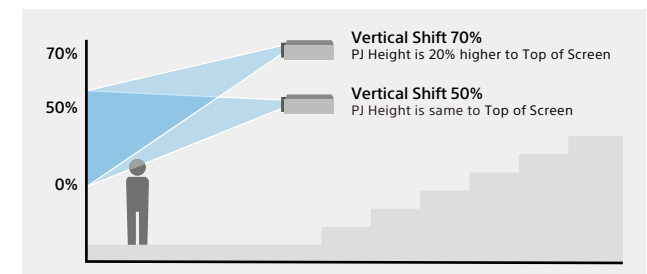
5,500lm, WUXGA

Intelligent Setting



Intelligent Settings offer four presets, optimising brightness, cooling system and other projector settings to suit all usage environments.

Wide Lens Shift



The industry's widest lens shift* capability of Vertical +70% gives greater flexibility. No need correct image shape by keystone correction.

- *In the range of 5000-6500 lm. As of 5th February 2019, according to Sony research.

SONY

<https://pro.sony/projectors>

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