

SONY



3LCD Laser Projectors

Why Sony?

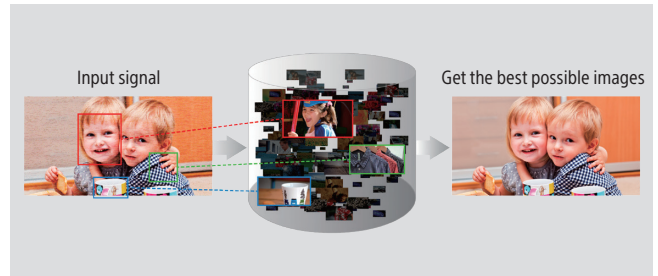
Sony is a major force in the world of imaging technology, for both consumer and professional applications.

Sony's comprehensive imaging expertise extends 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 of products for professional users, Sony provides solutions for a broad range of applications from cinematography and broadcast to medical, business and education.



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.

Reality Creation

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

Automatic filter cleaning and electrostatic filtering maintain efficient ventilation to maintain brightness.

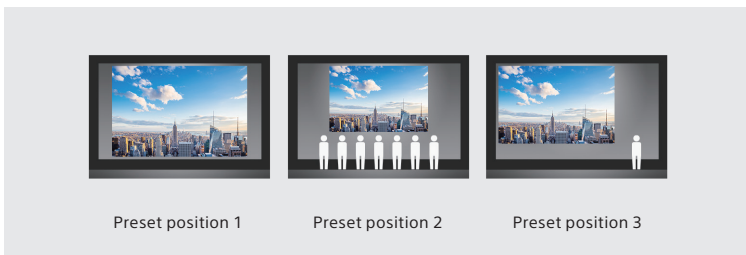
Sleek design

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.

Flexibility

Picture Position Preset#1

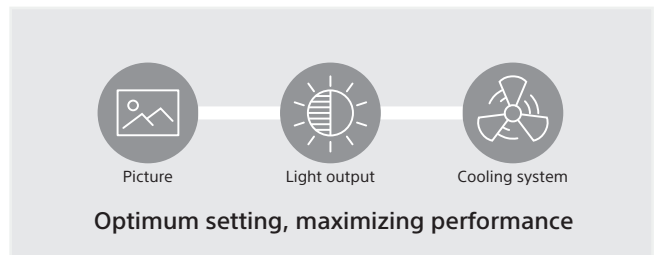


Recall the preset position and size at the push of a button.

* Users are required to prepare a switcher

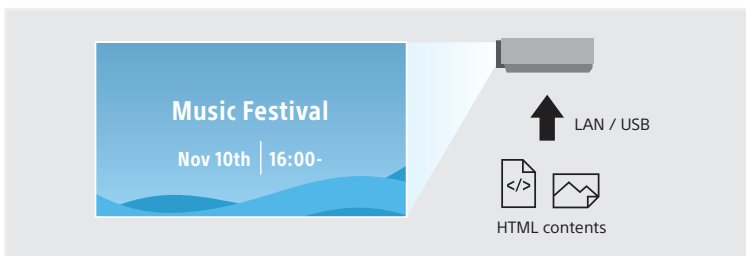
* Requires optional VPLL-Z4111 lens

Intelligent Setting#2



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

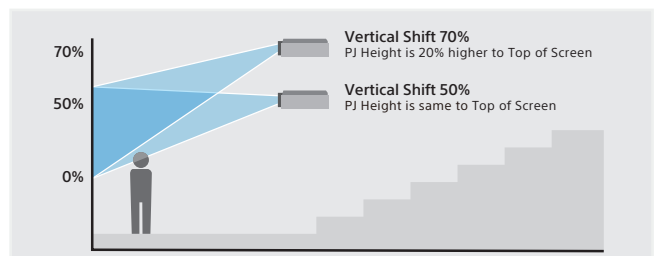
HTML Content Display Function#1



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

Wide Lens Shift#2


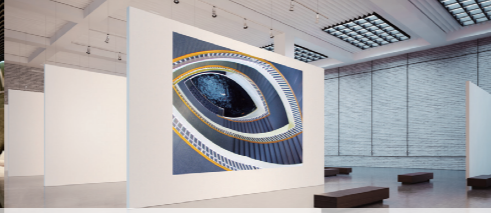








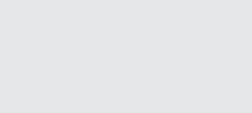




The industry's widest lens shift* capability of Vertical +70% gives greater flexibility. No need correct image shape by keystone correction.

#1 For VPL-FHZ120L and VPL-FHZ90L, #2 For VPL-FHZ75 and VPL-FHZ70

*In the range of 5,000-6,500 lm. As of 5th February 2019, according to Sony research.

3LCD laser projector lineup, by venue

		LARGE				SMALL											
Venue																	
		Halls, Auditoriums		Museums, Galleries		Bright classrooms, Meeting rooms, Large rooms		Mid-sized rooms		Small-sized rooms							
Brightness		12,000 lm		9,000 lm		6,500 lm		5,500 lm		6,100 lm		5,100 lm		4,200 lm		5,000 lm	
																	
Model name		VPL-FHZ120L		VPL-FHZ90L		VPL-FHZ75		VPL-FHZ70		VPL-FHZ66		VPL-FHZ61		VPL-FHZ58		VPL-PHZ10	
Lens shift (Maximum)	Vertical	±107%		±107%		-5%, +70% (When using the included lens)		-5%, +70% (When using the included lens)		-5%, +60% (When using the included lens)		-5%, +60% (When using the included lens)		+20% to +55%		+20% to +55%	
	Horizontal	±57%		±57%						±32%		±32%				±10%	
Lens type		Interchangeable										Fixed					
Throw ratio		Depends on lens				1.39:1 to 2.23:1 (When using the included lens)				1.28:1 to 1.88:1							
Resolution		WUXGA (1920 x 1200)															
Screen size		40" to 600"										40" to 300"					
Power consumption (Maximum)	AC 100 V to 120 V	1076 W		840 W		537 W		483 W		515 W		420 W		367 W		424 W	
	AC 220 V to 240 V	1033 W		814 W		518 W		468 W		497 W		408 W		352 W		403 W	
Power requirements		AC 100 V to 240 V															
Dimensions/weight (approx., without protrusions)		21.5" x 8.1" x 22.2" (58 lbs) / 544 x 205 x 564 mm (27 kg)				18.1" x 6.7" x 22.3" (35 lbs) / 460 x 169 x 515 mm (16kg)				22" x 4.5" x 14" (19 lbs) / 510 x 113 x 354.6 mm (8.7 kg)							
Input / output		Input: PC/Component, PC, DVI-D, HDMI, HDBaseT, 3G-SDI*1 Output: PC/Component, 3G-SDI*1				Input: Video, PC, DVI-D, HDMI, Audio, HDBaseT Output: PC, DVI-D, Audio				Input: PC, HDMI, Audio, HDBaseT, Video Output: PC, Audio							
Control signal input / output		RS-232C, LAN, USB A				RS-232C, LAN, IR (Control S) input				RS-232C, LAN, USB A, USB B, Wireless							
Reality creation		●		●		●		●		●		●		●		●	
Auto calibration		●		●		●		●		●		●		●		●	
Automatic filter cleaning		●		●		●		●		●		●		●		●	
Edge blending		●		●		●		●		●		●		●		●	
Warping		●		●		●		●		●		●		●		●*4	

*1: The FHZ120L supports 3G SDI as an option. *2: shared with HDBaseT *3: support as an option *4: PHZ10 supports four corner correction only

 BNC
  D-sub 15 pin
  RCA
  DVI-D
  HDMI
  RJ-45
  D-sub 9 pin
  Stereo mini jack
  USB A
  USB B
  Wireless: IFU-WLM3 (Option)

Optional lenses

For VPL-FHZ120L and VPL-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 (approx.)	5.7 lbs / 2.6 kg	8.8 lbs / 4.0 kg	6.6 lbs / 3.0 kg	6.6 lbs / 3.0 kg	6.2 lbs / 2.8 kg	6.6 lbs / 3.0 kg

For VPL-FHZ75 and VPL-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 (approx.)	6.4 lbs / 2.9 kg	3.7 lbs / 1.7 kg	3.7 lbs / 1.7 kg	4.4 lbs / 2.0 kg	2.6 lbs / 1.2 kg	2.6 lbs / 1.2 kg

For VPL-FHZ66, VPL-FHZ61 and VPL-FHZ58

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 (approx.)	6.4 lbs / 2.9 kg	3.7 lbs / 1.7 kg	3.7 lbs / 1.7 kg	4.4 lbs / 2.0 kg	2.6 lbs / 1.2 kg	2.6 lbs / 1.2 kg

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pro.sony/laser

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