

SONY



3LCD Laser Projectors

VPL-FHZ120L (12,000lm, WUXGA)

VPL-FHZ90L (9,000lm, WUXGA)



BrightEra
Long Lasting Optics

Z-Phosphor
LASER LIGHT SOURCE

The latest in high-brightness laser projectors.
Ideal for large venues, mid-sized classrooms and conference rooms.



For auditoriums/halls



For classrooms/conference rooms



For museums

SPECIFICATIONS

		VPL-FHZ120L	VPL-FHZ90L	
Display system		3 LCD system		
Display device	Size of effective display area	1" x 3 BrightEra LCD Panel, Aspect ratio: 16:10		
	Number of pixels	6,912,000 (1920 x 1200 x 3) pixels		
Projection lens	Focus, Zoom	Powered / Manual (Depend on lens)		
	Lens shift	Powered / Manual	Powered	
Light source		Type Laser diode		
Auto filter cleaning / Auto color calibration		Yes / Yes		
Light output*1 (Mode: Standard / Middle / Low)		12,000 lm / 10,000 lm / 8,000 lm	9,000 lm / 8,000 lm / 7,000 lm	
Constant ratio*1		∞ : 1		
Color space	Picture mode: sRGB	sRGB 100%	—	
Displayable scanning frequency	Horizontal / Vertical	15 kHz to 92 kHz / 48 Hz to 92 Hz		
Display resolution	Computer signal input	Maximum display resolution: 1920 x 1200 dots		
	Video signal input	480/60i, 576/50i, 480/60p, 576/50p, 720/60p, 720/50p, 1080/60i, 1080/50i The following items are available for digital signal only; 1080/60P, 1080/50p, 1080/24p, 1080/30p*3		
Keystone correction (Max.)	Horizontal / Vertical	+/- 30 degrees / +/- 30 degrees		
OSD language		24-language (English, French, German, Italian, Spanish, Portuguese, Japanese, Simplified Chinese, Traditional Chinese, Korean, Russian, Dutch, Norwegian, Swedish, Thai, Arabic, Turkish, Polish, Vietnamese, Farsi, Indonesian, Finnish, Hungarian, Greek) with Sony sales co. customizable		
INPUT / OUTPUT (Computer / Video / Audio)	INPUT A	RGB/Y Pb Pr input connector: 5BNC (female)		
	INPUT B	RGB input connector: Mini D-sub 15-pin (female)		
	INPUT C	DVI input connector: DVI-D 24-pin (single link), HDCP support		
	INPUT D	HDMI input connector: HDMI 19-pin, Digital RGB/Y Pb Pr, HDCP support		
	INPUT E	HDBaseT interface connector: RJ45, 3 play (Video, LAN(100BASE-TX), RS-232C)		
	INPUT F	Optional adaptor slot (For 3G-SDI Input Adaptor BKM-PJ20)	—	
	INPUT G	HTML Viewer		
	OUTPUT 1	Monitor output for Input A / Input B Connector: Mini D-sub 15-pin (female)		
INPUT / OUTPUT (Others)	USB	Type-A x 1		
	REMOTE	D-sub 9-pin (male) / RS232C		
INPUT / OUTPUT (Others)	LAN	RJ45, 10BASE-T / 100BASE-TX / 1000BASE-T		
	Acoustic noise (Mode: Standard)*2	42 dB	39 dB	
Operating temperature / Operating humidity		0°C to 45°C (32°F to 109°F) / 20% to 80% (no condensation)		
Storage temperature / Storage humidity		-10°C to +60°C (14°F to +140°F) / 20% to 80% (no condensation)		
Power requirements		AC 100 V to 240 V, 10.8 A to 4.4 A, 50 Hz to 60 Hz	AC 100 V to 240 V, 8.4 A to 3.4 A, 50 Hz to 60 Hz	
Power Consumption (Maximum)	AC 100 V to 120 V	1076 W	840 W	
	AC 220 V to 240 V	1033 W	814 W	
Power Consumption (Standby mode)	AC 100 V to 120 V	0.50 W (when "Standby mode" is set to "Low")		
	AC 220 V to 240 V	0.50 W (when "Standby mode" is set to "Low")		
Power Consumption (Networked Standby mode)	AC 100 V to 120 V	21.6 W (LAN) / 26.5 W (HDBT) / 26.6 W (ALL Terminals and Networks Connected, when "Standby Mode" is set to "Standard")		
	AC 220 V to 240 V	21.3 W (LAN) / 26.5 W (HDBT) / 26.6 W (ALL Terminals and Networks Connected, when "Standby Mode" is set to "Standard")		
Heat dissipation	AC 100 V to 120 V	3671 BTU / h	2866 BTU / h	
	AC 220 V to 240 V	3524 BTU / h	2777 BTU / h	
Dimensions (W x H x D) (without protrusions)		Approx. 544 x 205 x 564 mm (21 13/32 x 8 1/16 x 22 7/32 inches)		
Mass (without optional projection lens)		Approx. 27 kg (58 lb)	Approx. 26 kg (58 lb)	
Supplied accessories	Remote commander	RM-PJ30		
Optional accessories	Projection Lens	VPLL-4008 / Z4111 / Z4015 / Z4019 / Z4025 / Z4045		

*1 Value is in accordance with ISO 21118, and may differ depending on the actual unit. Brightness and contrast vary depending on use conditions and environments.
*2 The figures are approximate. They vary depending on the environment or how the projector is used. *3 When using BKM-PJ20 (for VPL-FHZ120L)

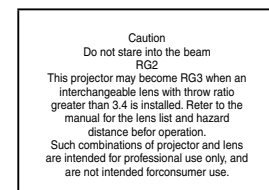
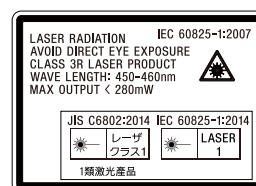
OPTIONAL LENS INFORMATION

	Throw ratio	Lens shift range	
		Vertical	Horizontal
VPLL-4008	1.00:1	+/- 32%	+/- 15%
VPLL-Z4111	1.30:1 to 1.96:1	+/- 99%	+/- 51%
VPLL-Z4015	1.85:1 to 2.44:1	+/- 98%	+/- 51%
VPLL-Z4019	2.41:1 to 3.07:1	+/- 107%	+/- 57%
VPLL-Z4025	3.02:1 to 5.58:1	+/- 107%	+/- 57%
VPLL-Z4045	5.56:1 to 7.5 :1	+/- 107%	+/- 57%

LASER NOTICES

For the U.S.A.
IEC 60825-1:2007 CLASS 3R
LASER PRODUCT

For other countries
IEC 60825-1:2014 CLASS 1 LASER PRODUCT
**As with any bright light source,
do not stare into the beam,
RG2 IEC 62471-5:2015.**



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