SONY

3LCD Laser Projectors

VPL-FHZ120L (12,000lm, WUXGA)
VPL-FHZ90L (9,000lm, WUXGA)

3LCD

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%	—
Reality Creation Image Processing		Yes	
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	
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)	
	USB	Type-A x 1	
INPUT / OUTPUT (Others)	REMOTE	D-sub 9-pin (male) / RS232C	
	LAN	RJ45, 10BASE-T / 100BASE-TX / 1000BASE-T	
Acoustic noise (Mode: Standard)*2		42 dB	39 dB
Operating temperature / Operating humidity		32°F to 109°F (0°C to 45°C) / 20% to 80% (no condensation)	
Storage temperature / Storage humidity		14°F to +140°F (-10°C to +60°C) / 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. 21 13/32 x 8 1/16 x 22 7/32 inches (544 x 205 x 564 mm)	
Weight (without optional projection lens)		Approx. 58 lb (27 kg)	Approx. 26 kg (58 lb)
Supplied accessories	Remote commander	RM-PJ30	
Optional accessories	Projection Lens	VPLL-4008 / Z4111 / Z4015 / Z4019 / Z4025 / Z4045	
	Option Slot	BKM-PJ20 (Poh 3G-SDI Input)	

*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 (New)	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%

Visit sony.com/laser for more information

LASER NOTICES

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

LASER RADIATION
AVOID DIRECT EYE EXPOSURE
CLASS 3R LASER PRODUCT
WAVE LENGTH: 450-460nm
MAX OUTPUT < 280mW
IEC 60825-1:2007

JIS C6802:2014 IEC 60825-1:2014
レーザ クラス1   LASER 1
1類激光産品

DI-0344-A (MK20244V2)   Issued in USA (11/18)