

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 lecture theatres/
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 *1	Focus	Powered/Manual (Depend on lens)	
	Zoom	Powered/Manual	Powered/Manual (Depend on lens)
		Ratio	Depend on lens
	Throw Ratio	Depend on lens	
	Lens shift	Powered/Manual	Powered
Range Vertical		Depend on lens	
Range Horizontal		Depend on lens	
Light source		Laser+Phosphor	
Laser life *4		20,000 H	
Auto filter cleaning		Yes	
Screen size (Max)		40" to 600" (depend on projection lens)	
Light output*2	Mode: Standard	12,000 lm	9,000 lm
	Colour light output*2	12,000 lm	9,000 lm
Constant brightness *2 *4		10,000 lm (14,000 H)	8,000 lm (14,000 H)
Colour calibration		Yes	
Colour space *2		sRGB 100%	—
Lens functions	Bayonet lens attachment function	Yes	
	Lens position memory function	Yes (Requires optional VPLL-Z4111 lens)	
Displayable scanning frequency	Horizontal	15 kHz to 92 kHz	
	Vertical	48 Hz to 92 Hz	
Display resolution	Computer signal input	Maximum display resolution: 1920 x 1200 dots	
	Video signal input	NTSC, PAL, SECAM, 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	
Keystone correction (Max.)*1 *5	Horizontal	+/- 30 degrees	
	Vertical	+/- 30 degrees	
INPUT OUTPUT (Computer/Video/Control)	INPUT A	RGB/Y PB PR input connector: 5 BNC (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, HDCP: v1.4	
	INPUT D	HDMI input connector: HDMI 19-pin, HDCP support, HDCP: v1.4	
	INPUT E	HDBaseT interface connector: RJ45, 3 play	
	OUTPUT 1	Monitor output for Input A/Input B Connector: Mini D-sub 15-pin (female)	
	USB	Type-A x 1	
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	
Power Consumption	AC 100V to 120V	1150W	950W
	AC 220V to 240V	1150W	950W
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)		28 kg (62 lb)	
Supplied accessories		Remote commander RM-PJ30	
Optional accessories		Projection Lens VPLL-4008/Z4111/Z4015/Z4019/Z4025/Z4045	

*1 Depend on lens.

*2 The values are estimate.

*3 The figures are approximate. They are very depending on the environment or how the projector is used.

*4 The picture quality may deteriorate when the V Keystone function is used for it is an electrical correction.

KEY FEATURES

- Bright and vibrant image
- Long-lasting brightness
- Richer Colour reproduction
- Industry-leading wide lens shift

OPTIONAL LENS INFORMATION

	Throw ratio	Lens shift range	
		Vertical	Horizontal
VPLL-4008	1.00:1	+/- 32%	+/- 15%
VPLL-Z4111*	1.30:1 to 1.95:1	+/- 99%	+/- 51%
VPLL-Z4015	1.85:1 to 2.44:1	+/- 98%	+/- 51%
VPLL-Z4019	2.41:1 to 3.07:1	+/- 107%	+/- 60%
VPLL-Z4025	3.02:1 to 5.58:1	+/- 107%	+/- 60%
VPLL-Z4045	5.56:1 to approx. 7.5 :1	+/- 107%	+/- 60%

Please note. Optional lenses throw ratio is different to other models: (VPL-FHZ700L, FH500L and FX500L)

*VPLL-Z4111 is standard lens for the VPL-FHZ120L & VPL-FHZ90L

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