SONY

VPL-FHZ101L

10,000 lm (10,400 lm center) laser light source projector (color availability may vary by country)

Overview

Combining spectacular image quality with easy set-up and minimal maintenance needs, these high-brightness 3LCD laser projectors are ideal for installation in larger spaces.

Captivate your audience in conference halls, lecture theaters, galleries, museums, visitor attractions and other large spaces. A high light output of 10,000 lumens ensures big-screen presentations with extra presence, even in brightly lit rooms.

Impressive picture quality is boosted by Sony's unique super resolution Reality Creation technology. This uses a powerful pattern-matching database to optimize lower-resolution images, enhancing clarity without increasing digital picture noise.

Save time with Sony's Intelligent Setting function that simplifies installation with pre-sets to optimize brightness, cooling, color and other projector settings. You'll be rewarded with great pictures in every environment.

You'll appreciate an industry-leading lens shift adjustment range and a wide choice of interchangeable lenses, giving more options to install the projector in any space, including classrooms and halls with high ceilings. For extra flexibility the VPLL-Z4107 short-throw lens is ideal when positioning the projector close to the screen to avoid ceiling-mounted obstructions.

Features

Reduced maintenance
The laser light source offers up to 20,000 hours* of operation without lamp exchange, reducing maintenance needs compared with traditional projectors.

** Depending on usage environment.*

Consistent brightness
Experience consistent image brightness throughout the laser light source's 20,000 hours recommended lifespan.

Networked control and monitoring
Ideal for integration in AV environments with leading control, monitoring, and management systems such as Crestron Connected™ and Extron® XTP™ Systems.*

** Extron and XTP Systems are trademarks of RGB Systems Inc.*

Easy edge blending
Seamlessly join color-matched images from multiple projectors for stunning super-size displays in corporate and education environments.

Versatile lens options
There's a wide range of lens options to suit virtually any size of room and throw requirements. Quick-release bayonet mount simplifies lens exchange.

Generous lens shift range
Enjoy greater flexibility to position the projector in restricted spaces, ensuring that audience and presenters aren't distracted by the light source.

Lens position memory
Memorize and recall up to six settings for projected image size, position and aspect ratio, saving time in different environments.

(Requires optional VPLL-Z4111 lens)

Stylish blend-in design
The slim, stylish body features a flat top surface that blends discreetly into any space when the projector is ceiling mounted.

Specifications

Display system	
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
Aspect ratio	16:10
Resolution	WUXGA (1920 x 1200 pixels)

Projection lens	
Focus	Powered/Manual(Depend on lens)
Zoom - Powered/Manual	Powered/Manual(Depend on lens)
Zoom - Ratio	Depend on Lens
Throw ratio	Depend on Lens

Lens shift - Powered/Manual	Powered
Lens shift - Range Vertical/Horizontal	Range Vertical: Depends on the lens Range Horizontal: Depends on the lens

Light source

Type	Laser diode

Filter replacement cycle (Max.)

Filter replacement cycle (Max.)	10,000 H (service maintenance)

Screen size

Screen size	Depend on Lens

Light output *1

Mode: Standard	10,000 lm*2 / 10,400 lm (Center)*3
Mode: Middle	8,800 lm
Mode: Low	7,700 lm

Color light output *1	
Mode: Standard	10,000 lm
Mode: Middle	8,800 lm
Mode: Low	7,700 lm

Contrast ratio *1	
Contrast ratio (full white / full black)	Contrast ratio (full white/full black): ∞ : 1

Displayable scanning frequency	
Horizontal	15 kHz to 92 kHz
Vertical	48 Hz to 92 Hz

Accepted signal resolution	
Computer signal input	Maximum signal resolution: 1920 x 1200
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*4

Keystone correction (Max.)	
Horizontal	+/- 30 degrees
Vertical	+/- 30 degrees

INPUT OUTPUT (Computer/Video/Audio/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
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-1	Type-A x 1
USB-2	Type-B x 1 (for service)
REMOTE	D-sub9pin male/RS232C
LAN	RJ45, 10BASE-T/100BASE-TX/1000BASE-T

Acoustic Noise*1

Light output mode: Standard	39 dB
Light output mode: Middle	39 dB

Operating temperature / Operating humidity

Operating temperature / Operating humidity	0°C to 45°C (32°F to 109°F) / 20% to 80% (no condensation)

Storage temperature / Storage humidity

Storage temperature /	-10°C to +60°C (14°F to +140°F) /

Storage humidity	20% to 80% (no condensation)

Power requirements

Power requirements	AC 100 V to 240 V, 8.4 A to 3.4 A, 50 Hz/60 Hz

Power consumption

AC 100 V to 120 V	840 W
AC 220 V to 240 V	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")

Standby Mode / Networked Standby Mode Activated

Standby Mode / Networked Standby Mode Activated	Approx. 2 Minutes

Heat dissipation

AC 100 V to 120 V	2,866 BTU/h
AC 220 V to 240 V	2,777 BTU/h

Dimensions (W x H x D) (without protrusions)

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)

Mass	
Mass	Approx. 58 lb (26 kg)

Supplied accessories	
Remote commander	RM-PJ30

Projection Lens	
Projection Lens	VPLL-Z4107, 4008, Z4111, Z4015, Z4019, Z4025, Z4045

Optional Projection Lens	
VPLL-Z4107	Throw ratio: 0:75:1 to 0:94:1 Lens Shift — Range Vertical: +/-50% Lens Shift — Range Horizontal: +/-24%
VPLL-4008	Throw Ratio: 1:00:1 Lens Shift - Range Vertical: +/-32% Lens Shift - Range Horizontal: +/-15%
VPLL-Z4111	Throw ratio: 1:30:1 to 1:96:1 Lens Shift — Range Vertical: +/-99%

	Lens Shift — Range Horizontal: +/-51%
VPLL-Z4015	Throw Ratio: 1:85:1 to 2:44:1 Lens Shift - Range Vertical: +/-98% Lens Shift - Range Horizontal: +/-51%
VPLL-Z4019	Throw ratio: 2:41:1 to 3:07:1 Lens Shift — Range Vertical: +/-107% Lens Shift — Range Horizontal: +/-57%
VPLL-Z4025	Throw ratio: 3:02 AM:1 to 5:58 AM:1 Lens Shift — Range Vertical: +/-107% Lens Shift — Range Horizontal: +/-57%
VPLL-Z4045	Throw ratio: 5.56:1 to 7.5:1 Lens Shift — Range Vertical: +/-107% Lens Shift — Range Horizontal: +/-57%

Notes

The figures are approximate. They

*1	vary depending on the environment or how the projector is used.
*2	The 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.
*3	The value is light output measured at center area of screen in Standard mode, and average of all products shipped.
*4	When using BKM-PJ20

Gallery