

# VPL-FHZ131L

13,000 lumens 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 very high light output of 13,000 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

Light output mode: Standard 13,000 lm

Light output mode: Middle 10,000 lm

Color light output \*1

Light output mode: Standard 13,000 lm

Light output mode: Middle 10,000 lm

Contrast ratio

Contrast ratio (full white / full black) \*2 Contrast ratio (full white/full black): ∞ : 1

Color space

Color space sRGB 100% (Picture mode: sRGB)

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 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 +/- 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-sub 9pin male/RS232C
LAN	RJ45, 10BASE-T/100BASE-TX/1000BASE-T

### Acoustic Noise \*2

Light output mode: Standard 42 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 / Storage humidity -10°C to +60°C (14°F to +140°F) / 20% to 80% (no condensation)

### Power requirements

Power requirements AC 100 V to 240 V, 10.8 A to 4.4 A, 50 Hz/60 Hz

### Power consumption (maximum)

AC 100 V to 120 V 1076 W

AC 220 V to 240 V 1033 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
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**Heat dissipation**

AC 100 V to 120 V	3,671 BTU/h
AC 220 V to 240 V	3,524 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)
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**Mass**

Mass	Approx. 58 lb (27 kg)
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**Supplied accessories**

Remote commander	RM-PJ30
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**Projection Lens**

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

*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

## Gallery

