

## VPL-FHZ131L / FHZ101L / FHZ91L

3LCD Laser Projectors

WUXGA | 13,000 lm / 10,000 lm / 9,000 lm



### Features

- High brightness, high contrast and sRGB 100%\* wide color 13,000 / 10,000 / 9,000 lumen images  
\* sRGB 100% color space is only for VPL-FHZ131L.
- Reality Creation
  - Advanced picture refinement technologies
- Intelligent Setting
  - Highly automatic control of multiple parameters to maximize laser performance
- Installation flexibility
  - Very wide range of lens shift adjustment and a wide choice of interchangeable lenses
- Supports wide range of major control interfaces
- Slim, attractive blend-in design



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



For auditoriums/halls



For classrooms/conference rooms



For museums

# SPECIFICATIONS

|  |  | VPL-FHZ131L  | VPL-FHZ101L                                       | VPL-FHZ91L          |
|--|--|--|---|---------------------|
| 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)               |  | 13,000 lm / 10,000 lm  | 10,000 lm / 8,800 lm                              | 9,000 lm / 8,000 lm |
| Constant ratio*1 (full white / full black)             |  | ∞ : 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<br>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<br>(Computer / Video / Audio / Control) | 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, Control)  |   |                     |
|  | INPUT F                                  | Optional adaptor slot (For 3G-SDI Input Adaptor BKM-PJ20)  |   |                     |
|  | INPUT G                                  | HTML Viewer  |   |                     |
|  | OUTPUT                                   | Monitor output for Input A / Input B Connector: Mini D-sub 15-pin (female)   |   |                     |
|  | USB                                      | Type-A x 1, Type-B x 1 (for service)   |   |                     |
|  | 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             |  | 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")   |   |                     |
| Standby Mode (Networked Standby Mode Activated)        |  | Networked Standby Mode Activated Approx. 2 Minutes   |   |                     |
| 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-Z4107 / 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

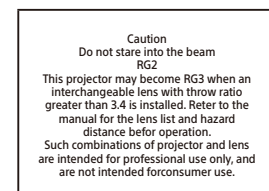
## OPTIONAL LENS INFORMATION

|            | Throw ratio      | Lens shift range |            |
|------------|------------------|------------------|------------|
|            |                  | Vertical         | Horizontal |
| VPLL-Z4107 | 0.75:1 to 0.94:1 | +/- 50%          | +/- 24%    |
| 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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