3LCD Laser Projector
Why Sony?

Sony is a major professional in the world of imaging technology, across both consumer and professional applications.

Sony’s comprehensive imaging technologies extend across a wide range: lenses, image sensors, image processors, IP transmission, display devices and light sources. Products are developed by engineers with deep and broad experience in imaging technologies.

As a leading global manufacturer for professional users, Sony offers superlative moviemaking and broadcasting, as well as medical equipment and business and educational products.
Image quality

**Own developed LCD Panel**

**Z-Phosphor™ system**

**Beautiful detail and faithful color reproduction**

Sony’s BrightEra™ 3LCD panel works with Sony’s original Z-Phosphor™ light source to deliver unmatched clarity, color reproduction and brightness.

Sony’s ‘Reality Creation’ engine delivers ultra-high accuracy by combining database-driven, super-resolution processing with image pattern classification. Automatic control of both super-resolution processing and noise reduction ensures stunning image quality, smooth gradations and low noise.

Reliability

**Designed to be reliable**

Sony’s development process ensures that all new products meet our high standards for image quality.

- **Auto color calibration**
  
  The projector automatically adjusts RGB balance to keep accurate color reproduction

- **Cooling design**
  
  A highly efficient heat sink maintains excellent performance over prolonged use.

- **Dust-proof design**
  
  Cleaning robotics and electrostatic filtering maintain efficient ventilation to maintain brightness.

Simple and discreet

The projector’s minimalist design looks great in any space, blending seamlessly into the background of conference rooms, museums, and other sophisticated locations.

An experienced team of designers have created a functional, aesthetically pleasing product that is durable, easy to set up, and easy to use.
### 3LCD Laser Projector Lineup, by Venue

<table>
<thead>
<tr>
<th>Venue</th>
<th>Brightness</th>
<th>Model name</th>
<th>Lens shift (Maximum)</th>
<th>Power consumption (Maximum)</th>
<th>Power requirements</th>
<th>Dimensions (without protrusions) &amp; weight</th>
<th>Input / output</th>
<th>Control signal input / output</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>12,000 lm</td>
<td>VPL-FHZ120L</td>
<td>V±107% H±57%</td>
<td>AC 100 V to 120 V: 1076 W</td>
<td>AC 100 V to 120 V</td>
<td>Approx. 544 x 205 x 564 mm (27 kg)</td>
<td>Input: BNC, D-sub 15 pin</td>
<td>•••••</td>
</tr>
<tr>
<td></td>
<td>9,000 lm</td>
<td>VPL-FHZ90L</td>
<td>V±107% H±57%</td>
<td>AC 220 V to 240 V: 1033 W</td>
<td>AC 220 V to 240 V</td>
<td>Approx. 544 x 205 x 564 mm (26 kg)</td>
<td>Input: BNC, D-sub 15 pin</td>
<td>•••••</td>
</tr>
</tbody>
</table>

### Optional Lenses

For VPL-FHZ120L and -FHZ90L

<table>
<thead>
<tr>
<th>Model name</th>
<th>VPLL-4008</th>
<th>VPLL-Z4111</th>
<th>VPLL-Z4015</th>
<th>VPLL-Z4019</th>
<th>VPLL-Z4025</th>
<th>VPLL-Z4045</th>
</tr>
</thead>
<tbody>
<tr>
<td>Throw ratio</td>
<td>1.00:1</td>
<td>1.30:1 to 1.96:1</td>
<td>1.85:1 to 2.44:1</td>
<td>2.41:1 to 3.07:1</td>
<td>3.02:1 to 5.58:1</td>
<td>5.56:1 to 7.5:1</td>
</tr>
<tr>
<td>Zoom</td>
<td>-</td>
<td>Powered</td>
<td>Powered</td>
<td>Powered</td>
<td>Powered</td>
<td>Powered</td>
</tr>
<tr>
<td>Focus</td>
<td>Manual</td>
<td>Powered</td>
<td>Powered</td>
<td>Powered</td>
<td>Powered</td>
<td>Powered</td>
</tr>
<tr>
<td>Screen size</td>
<td>40” to 600”</td>
<td>60” to 600”</td>
<td>40” to 600”</td>
<td>40” to 600”</td>
<td>60” to 600”</td>
<td>60” to 600”</td>
</tr>
<tr>
<td>Lens shift (V, H)</td>
<td>±32%, ±15%</td>
<td>±99%, ±51%</td>
<td>±98%, ±51%</td>
<td>±107%, ±57%</td>
<td>±107%, ±57%</td>
<td>±107%, ±57%</td>
</tr>
<tr>
<td>Weight</td>
<td>2.6 kg</td>
<td>4.0 kg</td>
<td>3.0 kg</td>
<td>3.0 kg</td>
<td>2.8 kg</td>
<td>3.0 kg</td>
</tr>
<tr>
<td>Model name</td>
<td>Throw ratio</td>
<td>Zoom</td>
<td>Focus</td>
<td>Screen size</td>
<td>Lens shift (V, H)</td>
<td>Weight</td>
</tr>
<tr>
<td>------------</td>
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</tr>
<tr>
<td>VPLL-3003</td>
<td>0.33:1</td>
<td>-</td>
<td>Manual</td>
<td>40&quot; to 600&quot;</td>
<td>±99%, ±51%</td>
<td>2.9 kg</td>
</tr>
<tr>
<td>VPLL-3007</td>
<td>0.65:1</td>
<td>-</td>
<td>Manual</td>
<td>60&quot; to 300&quot;</td>
<td>±99%, ±51%</td>
<td>1.7 kg</td>
</tr>
<tr>
<td>VPLL-Z3009</td>
<td>0.85:1 to 1.0:1</td>
<td>Manual</td>
<td>Powered</td>
<td>60&quot; to 300&quot;</td>
<td>±99%, ±51%</td>
<td>1.7 kg</td>
</tr>
<tr>
<td>VPLL-Z3010</td>
<td>1.0:1 to 1.39:1</td>
<td>Powered</td>
<td>Powered</td>
<td>60&quot; to 300&quot;</td>
<td>±99%, ±51%</td>
<td>2.0 kg</td>
</tr>
<tr>
<td>VPLL-Z3004</td>
<td>2.34:1 to 3.19:1</td>
<td>Powered</td>
<td>Powered</td>
<td>40&quot; to 600&quot;</td>
<td>±99%, ±51%</td>
<td>1.2 kg</td>
</tr>
<tr>
<td>VPLL-Z3025</td>
<td>3.02:1 to 5.58:1</td>
<td>Powered</td>
<td>Powered</td>
<td>60&quot; to 300&quot;</td>
<td>±99%, ±51%</td>
<td>2.8 kg</td>
</tr>
</tbody>
</table>

For VPL-FHZ75, -FH70

<table>
<thead>
<tr>
<th>Model name</th>
<th>Throw ratio</th>
<th>Resolution</th>
<th>Focus</th>
<th>Lens shift (V, H)</th>
<th>Screen size</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>VPL-FHZ75</td>
<td>±5%, +70%</td>
<td>WUXGA (1920 x 1200)</td>
<td>Powered</td>
<td>±32%</td>
<td>40&quot; to 600&quot;</td>
<td>2.9 kg</td>
</tr>
<tr>
<td>VPL-FHZ70</td>
<td>±32%</td>
<td>WUXGA (1920 x 1200)</td>
<td>Manual</td>
<td>1.39:1 to 2.23:1</td>
<td>537 W</td>
<td>483 W</td>
</tr>
<tr>
<td>VPL-PHZ10</td>
<td>+20% to +55%</td>
<td>WUXGA (1920 x 1200)</td>
<td>Powered</td>
<td>±10%</td>
<td>40&quot; to 600&quot;</td>
<td>424 W</td>
</tr>
</tbody>
</table>

Input / Output
- Video: BNC, D-sub 15 pin, DVI-D, HDMI
- Audio: Stereo mini jack, RCA, USB A, USB B
- Control signal input/output: RS-232C, LAN, Wireless (IFU-WLM3 Option)

Dimensions (without protrusions) & Weight
- VPL-FHZ120L: Approx. 544 x 205 x 564 mm (27 kg)
- VPL-FHZ90L: Approx. 544 x 205 x 564 mm (26 kg)
- VPL-FHZ75: Approx. 460 x 169 x 515 mm (8 kg)
- VPL-FHZ70: Approx. 510 x 113 x 354.6 mm (8.7 kg)
- VPL-PHZ10: Approx. 510 x 113 x 354.6 mm (8.7 kg)

Details:
- VPLL-Z3009 and VPLL-Z3010 support 3G-SDI as an option.
- PHZ10 does not support correcting deflection.
- The FHZ120L supports 3G-SDI as an option.
The latest in high-brightness laser projectors

VPL-FHZ120L
12,000lm, WUXGA

VPL-FHZ90L
9,000lm, WUXGA

VPL-FHZ75
6,500lm, WUXGA

VPL-FHZ70
5,500lm, WUXGA

Picture position preset

Recall the preset position and size at the push of a button.
* Users are required to prepare a switcher
* Requires optional VPLL-Z4111 lens

New HTML content display function

Project customized images such as logos or advertisements via LAN or USB, even when the projector is not in use.
* This function supports 16:9 only

Intelligent Setting

Intelligent Settings offer four presets, optimising brightness, cooling system and other projector settings to suit all usage environments.

Wide Lens Shift

The industry’s widest lens shift* capability of Vertical +70% gives greater flexibility. No need correct image shape by keystone correction.
*In the range of 5000-6500 lm. As of 5th February 2019, according to Sony research.