VPL-PXZ10

5,000 lumens XGA laser light source projector

Overview

Cost effective laser projection with excellent picture quality, easy installation and low running costs

The VPL-PXZ10 laser projector is a versatile, affordable choice for installation in a wide range of education, business and entertainment environments.

The powerful Z-Phosphor laser light source is teamed with Sony's advanced BrightEra 3LCD projection engine to deliver extremely bright, detail-packed WXGA resolution images with generous 5000 lumens brightness and rich, stable colours. This laser light source allows up to 20,000 hours* of virtually zero maintenance operation without the worry of sudden lamp failures. An automated filter system cuts the hassle of regular dust cleaning. Near-zero maintenance needs are complemented by a range of energy-saving features, significantly driving down total lifetime ownership costs. Constant Bright maintains consistent light output levels throughout the laser's 20,000 hours (at light output mode "Middle") recommended lifespan.

Offering a stylish blend-in design and low fan noise, the VPL-PXZ10 fits smoothly into almost any environment – from academic institutions to corporate environments. Mount the projector at any angle, even on its side or upside down. Set-up's easier than ever with a friendly new installation menu.

*Actual hours may vary depending on usage environment.

Features

Very high image quality with Sony's advanced BrightEra 3LCD projection engine and Z-Phosphor laser light source

The Z-Phosphor laser light source is coupled with Sony's acclaimed BrightEra 3LCD projection engine to ensure high 5000 lumen image brightness with vivid, natural colour reproduction.

Constant Brightness

Constant Bright maintains the same brightness throughout the 20,000 hours (at light output mode "Middle") hours recommended life span.

Advanced picture refinement technologies

Picture quality is boosted by advanced processing featured on Sony's home cinema projectors. Reality Creation uses a powerful pattern-matching database to optimise every pixel. Contrast Enhancer actively analyses and refines dark and light image areas for sparkling highlights and rich, deep blacks.

Crisp, detail-packed XGA resolution images
See fine detail in PC presentations, videos or multimedia signage with XGA (1024 x 768) 4:3 resolution.

**Up to 20,000 hours* operation with virtually no maintenance**
The advanced laser light source offers up to 20,000 hours* operation without lamp exchange, reducing lifetime running costs compared with traditional projectors.
*Actual hours may vary depending on usage environment.

**Hassle-free automatic filter cleaning**
Focus on great-looking images instead of arduous maintenance tasks: new automated filter cleaning system removes dust every 100 hours.

**Energy saving features**
Reduce running costs even further with convenient energy-saving features: Picture Mute and Auto Dimming.

**Save time with every presentation**
Quick power On/Off dramatically cuts warm-up time after switch-on before you can start presenting at full brightness.

**360° free-angle installation capability**
Enjoy greater installation flexibility: position the projector freely at any angle – or its side or even upside down.

**Supports HDBaseT**
Simpler, more cost-effective installation and connectivity with digital transmission of HD video, audio and networking/control over a single Ethernet cable.

**Quiet operation**
Low fan noise ensures discreet, unobtrusive operation in quiet environments for academic and corporate use.

**Slim, attractive blend-in design**
The slim, stylish case design features a flat top surface that blends in discreetly when the projector is ceiling mounted.

**Picture Mode**
Picture Mode ensures great-looking pictures in any presentation conditions. Select Standard, Dynamic, or Brightness Priority mode for optimised image quality, with any source and in every room.

**Simple set-up with friendly new Installation menu**
Easily adjust projector settings with remote commander.

### Specifications

<table>
<thead>
<tr>
<th>Display system</th>
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<td>Display system</td>
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<table>
<thead>
<tr>
<th>Display device</th>
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<tbody>
<tr>
<td>Size of effective display area</td>
</tr>
<tr>
<td>Number of pixels</td>
</tr>
<tr>
<td><strong>Projection lens</strong></td>
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<tr>
<td>---------------------</td>
</tr>
<tr>
<td>Focus</td>
</tr>
<tr>
<td>Zoom - Powered/Manual</td>
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<tr>
<td>Zoom - Ratio</td>
</tr>
<tr>
<td>Throw ratio</td>
</tr>
<tr>
<td>Lens shift - Powered/Manual</td>
</tr>
<tr>
<td>Lens shift - Range Vertical</td>
</tr>
<tr>
<td>Lens shift - Range Horizontal</td>
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<table>
<thead>
<tr>
<th><strong>Light source</strong></th>
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<tbody>
<tr>
<td>Type</td>
<td>Laser diode</td>
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<table>
<thead>
<tr>
<th><strong>Filter cleaning / replacement cycle (Max.)</strong></th>
<th></th>
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<tbody>
<tr>
<td>Filter cleaning / replacement cycle (Max.)</td>
<td>20,000 H (service maintenance)</td>
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<table>
<thead>
<tr>
<th><strong>Screen size</strong></th>
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<tr>
<td>Screen size</td>
<td>40&quot; to 300&quot; (1.02 m to 7.62 m)</td>
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<table>
<thead>
<tr>
<th><strong>Light output</strong></th>
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<tbody>
<tr>
<td>Mode: Standard</td>
<td>5,000 lm</td>
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<thead>
<tr>
<th><strong>Color light output</strong></th>
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<tbody>
<tr>
<td>Mode: Standard</td>
<td>5,000 lm</td>
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<thead>
<tr>
<th>*<em>Contrast ratio (full white / full black) <em>1</em></em></th>
<th></th>
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<tbody>
<tr>
<td>Contrast ratio (full white / full black)</td>
<td>500,000 : 1</td>
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<thead>
<tr>
<th><strong>Speaker</strong></th>
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<tbody>
<tr>
<td>Speaker</td>
<td>16 W (monaural)</td>
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<table>
<thead>
<tr>
<th><strong>Displayable scanning frequency</strong></th>
<th></th>
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<tbody>
<tr>
<td>Horizontal</td>
<td>15 kHz to 92 kHz</td>
</tr>
<tr>
<td>Vertical</td>
<td>48 Hz to 92 Hz</td>
</tr>
<tr>
<td><strong>Display resolution</strong></td>
<td></td>
</tr>
<tr>
<td>-----------------------</td>
<td>-----------------</td>
</tr>
<tr>
<td>Computer signal input</td>
<td>Maximum display resolution: 1920 x 1200 dots *2</td>
</tr>
<tr>
<td>Video signal input</td>
<td>NTSC, PAL, SECAM, 480/60i, 576/50i, 480/60p, 576/50p, 720/60p, 720/50p, 1080/60i, 1080/50i, 1080/60p, 1080/50p, 1080/24p</td>
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<table>
<thead>
<tr>
<th><strong>Color System</strong></th>
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<tbody>
<tr>
<td>Color System</td>
<td>NTSC3.58, PAL, SECAM, NTSC4.43, PAL-M, PAL-N, PAL60</td>
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<thead>
<tr>
<th><strong>Keystone correction (Max.)</strong></th>
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<tbody>
<tr>
<td>Horizontal</td>
<td>+/- 30 degrees</td>
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<tr>
<td>Vertical</td>
<td>+/- 20 degrees</td>
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<table>
<thead>
<tr>
<th><strong>INPUT OUTPUT (Computer/Video/Control)</strong></th>
<th></th>
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<tbody>
<tr>
<td>INPUT A</td>
<td>RGB / Y PB PR input connector: Mini D-sub 15 pin (female) Audio input connector: Stereo mini jack</td>
</tr>
<tr>
<td>INPUT B</td>
<td>HDMI input connector: HDMI 19-pin, HDCP support Audio input connector: HDMI audio support</td>
</tr>
<tr>
<td>INPUT C</td>
<td>HDMI input connector: HDMI 19-pin, HDCP support Audio input connector: HDMI audio support</td>
</tr>
<tr>
<td>INPUT D</td>
<td>HDBaseT interface connector: RJ45, 4 play (Video, Audio, LAN, Control)</td>
</tr>
<tr>
<td>VIDEO IN</td>
<td>Video input connector: BNC Audio input connector: Shared with INPUT A</td>
</tr>
<tr>
<td>OUTPUT</td>
<td>Audio output connector: Stereo mini jack</td>
</tr>
<tr>
<td>REMOTE</td>
<td>D-sub 9-pin (male) / RS232C</td>
</tr>
<tr>
<td>LAN</td>
<td>RJ45, 100BASE-TX (Shared with INPUT D)</td>
</tr>
<tr>
<td>USB</td>
<td>TYPE-A</td>
</tr>
<tr>
<td>USB</td>
<td>TYPE-B</td>
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<table>
<thead>
<tr>
<th><strong>Acoustic Noise</strong></th>
<th></th>
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<tbody>
<tr>
<td>Lamp Mode: Standard / Middle / Low</td>
<td>36 dB / 28 dB / 25 dB</td>
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<table>
<thead>
<tr>
<th><strong>Operating temperature / Operating humidity</strong></th>
<th></th>
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<tbody>
<tr>
<td></td>
<td></td>
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<tr>
<td>Feature</td>
<td>Details</td>
</tr>
<tr>
<td>----------------------------------------</td>
<td>-------------------------------------------------------------------------</td>
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<tr>
<td>Operating temperature / Operating humidity</td>
<td>0°F to 104°F (20°F to 212°F) / 10% to 90% (no condensation)</td>
</tr>
<tr>
<td>Storage temperature / Storage humidity</td>
<td>-10°F to +140°F (14°F to 140°F) / 10% to 90% (no condensation)</td>
</tr>
<tr>
<td>Power requirements</td>
<td>AC 100 V to 240 V, 4.0 A to 1.6 A, 50 Hz / 60 Hz</td>
</tr>
<tr>
<td>Power Consumption</td>
<td>AC 100 V to 120 V, Mode: Standard: 391 W</td>
</tr>
<tr>
<td></td>
<td>AC 220 V to 240 V, Mode: Standard: 365 W</td>
</tr>
<tr>
<td>Power Consumption (Standby Mode)</td>
<td>AC 100 V to 120 V, 0.5 W (when &quot;Standby mode&quot; is set to &quot;Low&quot;)</td>
</tr>
<tr>
<td></td>
<td>AC 220 V to 240 V, 0.5 W (when &quot;Standby mode&quot; is set to &quot;Low&quot;)</td>
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<tr>
<td>Power Consumption (Networked Standby Mode)</td>
<td>AC 100 V to 120 V, 12.5 W (LAN)</td>
</tr>
<tr>
<td></td>
<td>13.2 W (optional WLAN module)</td>
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<td></td>
<td>16.8 W (HDBaseT)</td>
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<td></td>
<td>17.4 W (ALL Terminals and Networks Connected, when &quot;Standby Mode&quot; is set to &quot;Standard&quot;)</td>
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<tr>
<td></td>
<td>AC 220 V to 240 V, 11.9W (LAN)</td>
</tr>
<tr>
<td></td>
<td>12.6W (optional WLAN module)</td>
</tr>
<tr>
<td></td>
<td>17.0W (HDBaseT)</td>
</tr>
<tr>
<td></td>
<td>17.6W (ALL Terminals and Networks Connected, when &quot;Standby Mode&quot; is set to &quot;Standard&quot;)</td>
</tr>
<tr>
<td>Standby Mode / Networked Standby Mode Activated</td>
<td>Approx. 2 Minutes</td>
</tr>
<tr>
<td>Heat dissipation</td>
<td>AC 100 V to 120 V, 1333 BTU/h</td>
</tr>
<tr>
<td></td>
<td>AC 220 V to 240 V, 1245 BTU/h</td>
</tr>
</tbody>
</table>

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### Dimensions (W x H x D)

<table>
<thead>
<tr>
<th>Dimensions (W x H x D)</th>
<th>510 x 113 x 354.6 mm (20 3/32 x 4 7/16 x 13 31/32 inches)</th>
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<tbody>
<tr>
<td>(without protrusions)</td>
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### Mass

<table>
<thead>
<tr>
<th>Mass</th>
<th>Approx. 8.7kg (19 lb)</th>
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### Supplied accessories

<table>
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<tr>
<th>Remote commander</th>
<th>RM-PJ8</th>
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### Notes

<table>
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<tr>
<th>*1</th>
<th>The value is average</th>
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<tbody>
<tr>
<td>*2</td>
<td>Available for VESA Reduced Blanking signal.</td>
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This projector has a total constant brightness of 4500 lumens for up to 14,000 hours depending on usage environment. This enables users to experience the projectors' original level of image quality for years, while achieving a maximum 5,000 lumens brightness when the constant brightness mode is off.