VPL-E200 Series
Data Projectors

VPL-EW295
VPL-EW255
VPL-EX295
VPL-EX255
Combining superb image quality with smart energy-saving features, the VPL-E200 Series portable projector enhances learning by delivering powerful presentations that really stand out. Simple to use and wireless-ready, this projector is ideal for maximizing student engagement in today’s networked classrooms, making it your ideal partner throughout the busy school day. Sony BrightEra™ panel technology assures clear pictures in any conditions, from daylight to darkened classrooms. Plenty of interfaces allow easy connection, while the choice of picture modes can optimize viewing with any source – slide presentations, PC document, pictures, videos (and more) web-sites, and more. Adding an optional USB wireless LAN module lets students and teachers wirelessly share homework, images, and graphics from mobile devices like smartphones and tablets. There’s a wide built-in range of smart energy-saving features and, with a recommended lamp replacement time of 10,000 hours, downtime and maintenance costs are minimized.

Bring learning to life with this bright, energy-efficient, wireless-ready portable projector designed in consultation with teachers and made for today’s classrooms
FEATURES

Good TCO, Energy-efficient Design

Energy Efficient With Long-Lasting Lamp Replacement Time (10,000 hours)

The lamp driver optimally controls the wattage of the lamp and achieves a long-lasting lamp replacement time of 10,000 hours with lamp brightness set to low. This extends the lamp replacement time by more than 43% compared with the previous model.

Lamp mode: low
Complies with IEC61947 standard

*Usage condition example : 8 hours per day × 5 times per week × 5 years
**The figures are the expected maintenance time and not guaranteed. They will depend on the environment or how the projector is used

Auto Power Saving Function

• Auto Mode (Auto Brightness Adjustment Function)
  The brightness of the lamp’s output is automatically adjusted depending on the brightness of the projected image, to avoid unnecessary power consumption. When showing darker images that don’t require high brightness, lamp output decreases.

• Lamp Dimming Function
  The VPL-E200 Series projectors are equipped with a lamp dimming function. After 10 seconds of a static signal feed, the lamp dims by approximately 15% which is hardly noticeable. If one of these projectors is left powered on while not in use, after a set period of time it will automatically detect no change of signal input and will dim the lamp to as low as approximate 30% of original brightness to significantly reduce energy consumption.

• Blank
  The VPL-E200 Series projectors can temporarily disable video signal output. This function can be easily operated with just the touch of a button on the supplied Remote Commander™ unit. In addition, this function allows blank image projection with low power consumption using lamp control technology.

ECO MODE Key

With a single push of the ECO MODE key on either the projector or the supplied Remote Commander unit, users can select an energy-saving setting from the ECO Mode menu.

Recommended lamp replacement time**

<table>
<thead>
<tr>
<th>Model</th>
<th>Conventional model</th>
<th>VPL-EW295</th>
<th>VPL-EW276</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lamp replacement time</td>
<td>7,000 hours</td>
<td>10,000 hours*</td>
<td>7,000 hours</td>
</tr>
</tbody>
</table>

43% up
High Image Quality

3LCD BrightEra™ Natural and Vivid Color Images
Thanks to the optical system constantly projecting three basic colors, the projector offers excellent light efficiency and this, ensures colorful and bright images. Sony’s BrightEra™ panels deliver improved panel light resistance, higher resolution, high brightness, and increased panel reliability. High color reproducibility is important especially when using colorful content, such as materials typically used in classrooms.

Various Picture Modes for Optimal Picture Quality
The projector has six available picture modes for correct picture quality: Dynamic, Standard, Presentation, Blackboard, Game, and Cinema. With six picture modes and three brightness modes combined, the user can select the most suitable picture / brightness combination according to the picture source and environment, to create the optimal image.

**Dynamic**
Optimized for presenting in a bright environment, with bright and colorful text, graphics, and images.

**Standard**
The picture is ideal to deliver a presentation under fluorescent lights in offices and class-rooms.

**Presentation**
This setting delivers the greatest light output, ideal in a bright environment, both inside and outside.

**Blackboard**
Optimized to deliver clear images on a blackboard in the classroom, supporting teaching where there is no projection screen.

**Game**
Ideal to enjoy games in a living room with lots of ambient light.

**Cinema**
Fine tuned to enjoy movies in a room with indirect lights
Ease of Use

Network Presentation (LAN)
When the projector is installed in a LAN, presentations can be projected from any PC and Mac on the network. A tablet or smart phone can be connected at the same time. You can project jpg, pdf, and other supported formats. Up to four users can project PC / Mac images simultaneously, while up to eight*1 users can connect to one projector.

Wireless Presentation Software
For MS Windows / Mac OS: Projector Station for Network Presentation
For iOS / Android OS: VueMagic*2
*1 Up to seven users for wireless.
*2 The application for tablets and smartphones is provided by Pixelworks. For details, please visit the following website: http://PWPresenter.pixelworks.com

Remote Control for iPhone/iPad
Projector Remote is a simple remote control application for Sony’s projectors. Networked projectors can be controlled by this remote application, and remote control allows you to operate the projector using simple and easy-to-read buttons.

USB Display
The projector allows you to display pictures and audio* with one USB cable. You do not need to install any driver for this function. This is a convenient and very easy way to connect to the projector.

Input Label
Input label which appear in the input menu on screen can be customized. This gives users a clear understanding of which equipment is connected.

Other Features
Closed Captioning
Official teletext broadcasting, developed by the NCI, USA

Network and Control
Controls and monitors projector status
Compatible with various control systems
CONNECTOR PANELS
VPL-EW295 / VPL-EW255 / VPL-EX235

DIMENSIONS
Unit: inches (mm)

Front

Top
VPL-EW295

VPL-EW255 / VPL-EX295 / VPL-EX255

OPTIONAL ACCESSORIES
LMP-E212
Projector Lamp (for replacement)

IFU-WLM3
USB wireless LAN module
# SPECIFICATIONS

<table>
<thead>
<tr>
<th>Display system</th>
<th>VPL-EW295</th>
<th>VPL-EW255</th>
<th>VPL-EX295</th>
<th>VPL-EX255</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Display device</strong></td>
<td>3 LCD system</td>
<td>3 LCD system</td>
<td>3 LCD system</td>
<td>3 LCD system</td>
</tr>
<tr>
<td><strong>Size of effective display area</strong></td>
<td>0.75&quot; (19 mm) x 3 BrightEra Aspect ratio: 16:10</td>
<td>0.59&quot; (15 mm) x 3 BrightEra Aspect ratio: 16:10</td>
<td>0.63&quot; (16 mm) x 3 BrightEra Aspect ratio: 4:3</td>
<td></td>
</tr>
<tr>
<td><strong>Number of pixels</strong></td>
<td>3,072,000 (1280 x 800 x 3) pixels</td>
<td>2,359,296 (1024 x 768 x 3) pixels</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Focus</strong></td>
<td>Optical: Manual (Approx. x 1.6)</td>
<td>Optical: Manual (Approx. x 1.6)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Throw ratio</strong></td>
<td>1.10:1 to 1.79:1</td>
<td>1.40:1 to 2.27:1</td>
<td>1.40:1 to 2.27:1</td>
<td></td>
</tr>
<tr>
<td><strong>Light source</strong></td>
<td>Ultra high pressure mercury lamp 210 W type</td>
<td>Ultra high pressure mercury lamp 210 W type</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Recommended lamp replacement time</strong></td>
<td>4000H / 6000H / 10000H (Lamp mode: High / Standard / Low)</td>
<td>3000H / 5000H / 10000H (Lamp mode: High / Standard / Low)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Filter cleaning cycle</strong></td>
<td>Max. 7000 H</td>
<td>Max. 7000 H</td>
<td></td>
<td></td>
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<tr>
<td><strong>Light output</strong></td>
<td>3800 lm / 2700 lm² / 2100 lm²</td>
<td>3200 lm / 2000 lm² / 1500 lm²</td>
<td>3300 lm / 2200 lm² / 1700 lm²</td>
<td></td>
</tr>
<tr>
<td><strong>Color light output</strong></td>
<td>3800 lm / 2700 lm² / 2100 lm²</td>
<td>3200 lm / 2000 lm² / 1500 lm²</td>
<td>3800 lm / 2700 lm² / 2100 lm²</td>
<td>3300 lm / 2200 lm² / 1700 lm²</td>
</tr>
<tr>
<td><strong>Contrast ratio (full white / full black)</strong></td>
<td>3700:1</td>
<td>2700:1</td>
<td>3300:1</td>
<td></td>
</tr>
<tr>
<td><strong>Displayable scanning frequency</strong></td>
<td>Horizontal: 1.14 kHz to 93 kHz</td>
<td>Vertical: 47 Hz to 93 Hz</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Display resolution</strong></td>
<td>Computer signal input: Maximum display resolution: UXGA 1600 x 1200 dots**</td>
<td>Panel display resolution: 1280 x 800 dots</td>
<td>Panel display resolution: 1024 x 768 dots</td>
<td></td>
</tr>
<tr>
<td><strong>Video signal input</strong></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</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Color system</strong></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</td>
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<tr>
<td><strong>Keystone correction</strong></td>
<td>Vertical: Max. +/- 20 degrees</td>
<td>Vertical: Max. +/- 30 degrees</td>
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<tr>
<td><strong>OSD language</strong></td>
<td>24-languages (English, Dutch, French, Italian, German, Spanish, Portuguese, Turkish, Polish, Russian, Swedish, Norwegian, Japanese, Simplified Chinese, Traditional Chinese, Korean, Thai, Vietnamese, Arabic, Farsi, Finnish, Indonesian, Hungarian, Greek)</td>
<td></td>
<td></td>
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</tr>
<tr>
<td><strong>Computer and video signal input/output</strong></td>
<td>INPUT A: RGB / Y PB PR input connector: Mini D-sub 15-pin (female), Audio input connector: Stereo mini jack</td>
<td>INPUT B: RGB input connector: Mini D-sub 15-pin (female), Audio input connector: Stereo mini jack</td>
<td>INPUT C: HDMI input connector: HDMI 19-pin, HDCP support, Audio input connector: HDMI audio support</td>
<td></td>
</tr>
<tr>
<td><strong>S VIDEO IN</strong></td>
<td>S video input connector: Mini DIN 4-pin, Audio input connector: Pin jack (x2) (shared with VIDEO IN)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>VIDEO IN</strong></td>
<td>Video input connector: Pin jack, Audio input connector: Pin jack (x2) (shared with S VIDEO IN)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>OUTPUT</strong></td>
<td>Monitor output connector**: Mini D-sub 15-pin (male), Audio output connector**: Stereo mini jack (variable out)</td>
<td></td>
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<tr>
<td><strong>Power requirements</strong></td>
<td>AC 100 V to 120 V 309 W / 250 W<em>2 / 219 W</em>2</td>
<td>310 W / 250 W² / 219 W²</td>
<td>314 W / 250 W² / 219 W²</td>
<td>314 W / 250 W² / 219 W²</td>
</tr>
<tr>
<td><strong>Standby mode power consumption</strong></td>
<td>AC 100 V to 120 V 4.9 W / 0.5 W</td>
<td></td>
<td></td>
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</tr>
<tr>
<td><strong>Heat dissipation</strong></td>
<td>1054 BTU</td>
<td>1071 BTU</td>
<td>1058 BTU</td>
<td>1071 BTU</td>
</tr>
<tr>
<td><strong>Outside dimensions</strong></td>
<td>W 14 3/8 x H 3 25/32 x D 9 29/32 inches (W 365 x H 94.2 x D 232mm) (without protrusions)</td>
<td></td>
<td></td>
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</tr>
<tr>
<td><strong>Weight</strong></td>
<td>9 lb / 4.1 kg</td>
<td>8 lb / 3.9 kg</td>
<td>8 lb / 4 kg</td>
<td></td>
</tr>
</tbody>
</table>

*1 The figures are the expected maintenance time and not guaranteed. They will depend on the environment or how the projector is used.
*2 The values are estimate.
*3 This value is average.
*4 Available for the VESA Reduced Blanking signal.
*5 Not available in standby. From INPUT A and INPUT B.
*6 Works as an audio switcher function. Output from a selected channel; not available in standby.