

VPL-SW235

3,000 lumens WXGA Short Throw projector



Overview

Low Total Cost of Ownership(TCO) for widescreen, short throw, high brightness projector

The VPL-SW235 short throw projector has a number of features to present high quality images while keeping low TCO. The projector also needs only 79cm to display a large 80-inch image on the screen, which fits perfectly in front of a white board leaving plenty of space. With the fuss-free installation and achievement of less glares or shadows during presentation, the short throw projector offers excellent usability.

Short throw distance

79cm for 80-inch image.

3LCD Color Light Output colour reproduction and high brightness

3000 lumen brightness with native WXGA (1280 x 800) 16:10 widescreen screen resolution.

Long-lasting lamp

10000 hours in Low mode.

Wireless presentation with tablet (iOS or Android)

The wireless presentation capability makes it easy to present files from your tablet device or smart phone.

Features

Short throw distance

The VPL-SW235 offers a 0.46:1 throw ratio that produces a 2.03m (80-inch) diagonal screen size image from only 79cm (31-inch) away from the screen.

High image quality 3LCD natural and vivid colour images

Thanks to the optical system projecting three basic colours constantly each, the projector offers excellent light efficiency, which ensures colourful and bright images. High colour reproducibility is important especially when using colourful content, such as materials used in classrooms. The projector also has an excellent contrast ratio of 3000:1.

High brightness of 3000 lumen in High lamp mode

The VPL-SW235 features three brightness modes for different use – 'High' for naturally white presentations in bright rooms, 'Standard' for everyday use, and 'Low' for video in darkened rooms. The native WXGA (1280 x 800) 16:10 widescreen screen resolution panel is perfect for presentations direct from a laptop or PC.

Energy efficient with long-lasting lamp of 10000 hours

The lamp driver optimally controls the wattage of the lamp and achieves a long-lasting lamp time of 10000 hours with the brightness of lamp mode low. The recommended lamp replacement time is extended more than 66%, compared to the previous model.

Advanced energy-saving features

Advanced lamp technology enables robust energy-saving features. For example, greater brightness control in Auto Light Dimming mode saves considerable energy when the projector is left on without being used. During projection, Auto Picture Mode automatically adjusts light output to suit the projected scene.

When you need to mute the picture temporarily, light output can be completely deactivated to minimise energy consumption.

Network presentation (LAN/Wireless LAN)

When the projector is installed on a LAN/Wireless 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. The wireless presentation capability makes it easy to present files from your tablet device or smart phone. You can project jpg, pdf and other supporting formats. Up to four users can project PC/Mac images simultaneously, while up to eight users can connect to one projector. For Windows/Mac, an application "Projector Station for Network Presentation" is provided. For tablet/smartphone, an application is provided by Pixelworks, downloaded from the web. For details, please visit the following website: <http://PWPresenter.pixelworks.com>

Remote control for iOS device

Projector Remote is simple remote control app for Sony's projectors. Networked projectors can be controlled by this remote app. Remote Control allows you to operate the projector with simple and easy-to-read buttons.

Networked control

Projector functions and status can also be managed and monitored remotely from any user's PC on the network. For Windows, an application "Projector Station for Network Control" is provided.

USB Media viewer

Insert a USB drive to effortlessly display photos, images and graphics with no PC needed.

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. It is a convenient way to connect to the projector when you want

to connect easily.

* There is a time lag in video and audio. When not in simple use, it is recommended to use Line-in or HDMI-in.

Built-in speaker

The projector includes a 16W monaural speaker.

Specifications

Display system

| | |
|----------------|--------------|
| Display system | 3 LCD system |
|----------------|--------------|

Display device

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|--------------------------------|--|
| Size of effective display area | 0.59" (15 mm) x 3 BrightEra LCD Panel, Aspect ratio: 16:10 |
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|------------------|-----------------------------------|
| Number of pixels | 3,072,000 (1280 x 800 x 3) pixels |
|------------------|-----------------------------------|

Projection lens

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|-------|--------|
| Focus | Manual |
|-------|--------|

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|-------------|--------|
| Throw ratio | 0.46:1 |
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Light source

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|------|----------------------------------|
| Type | Ultra high pressure mercury lamp |
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|---------|------------|
| Wattage | 210 W type |
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Recommended lamp replacement time*1

Lamp mode: High 4000 H

Lamp mode: Standard 6000 H

Lamp mode: Low 10000 H

Filter cleaning / replacement cycle (Max.)*1

Filter cleaning /
replacement cycle
(Max.) 7000 H

Screen size

Screen size 57" to 103" (1.45 m to 2.62 m)
(measured diagonally)

Light output

Lamp mode: High 3000 lm

Lamp mode: Standard 2100 lm

Lamp mode: Low 1700 lm

Color light output

Lamp mode: High 3000 lm

Lamp mode: Standard 2100 lm

Lamp mode: Low 1700 lm

Contrast ratio (full white / full black)*2

Contrast ratio (full white / full black) 3000:1

Speaker

Speaker 16 W x 1 (monaural)

Displayable scanning frequency

Horizontal 14 kHz to 93 kHz

Vertical 47 Hz to 93 Hz

Display resolution

Computer signal input Maximum display resolution: UXGA 1600 x 1200 dots*3

Video signal input NTSC, PAL, SECAM, 480/60i, 576/50i, 480/60p, 576/50p, 720/60p, 720/50p, 1080/60i, 1080/50i, The following items are available for digital signal (HDMI input) only;

1080/60p, 1080/50p

Color system

Color system NTSC3.58, PAL, SECAM, NTSC4.43, PAL-M, PAL-N

Keystone correction (Max.)

Vertical +/- 7.5 degrees

OSD language

OSD language 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)

INPUT OUTPUT (Computer/Video/Control)

INPUT A RGB / Y PB PR input connector:
Mini D-sub 15-pin (female)
Audio input connector: Stereo mini jack

| | |
|---------------|--|
| INPUT B | <p>RGB input connector: Mini D-sub 15-pin (female)</p> <p>Audio input connector: Stereo mini jack</p> |
| INPUT C | <p>HDMI input connector: HDMI 19-pin, HDCP support</p> |
| S VIDEO IN | <p>S video input connector: Mini DIN 4-pin</p> <p>Audio input connector: Pin jack (x2) (shared with VIDEO IN)</p> |
| VIDEO IN | <p>Video input connector: Pin jack</p> <p>Audio input connector: Pin jack (x2) (shared with S VIDEO IN)</p> |
| OUTPUT | <p>Monitor output connector*4: Mini D-sub 15-pin (female)</p> <p>Audio output connector*5: Stereo mini jack (variable out)</p> |
| REMOTE | <p>RS-232C connector: D-sub 9-pin (female)</p> |
| LAN | <p>RJ-45, 10BASE-T/100BASE-TX</p> |
| USB | <p>Type-A</p> |
| USB | <p>Type-B</p> |
| MICROPHONE IN | <p>Microphone input: Mini Jack</p> |

Acoustic noise

Lamp mode: Low 30 dB

Operating temperature / Operating humidity

Operating temperature /
Operating humidity 0°C to 40°C (32°F to 104°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, 3.2 A to 1.3 A, 50 Hz / 60 Hz

Power consumption

AC 100 V to 120 V Lamp mode: High: 315 W

AC 100 V to 120 V Lamp mode: High: 302 W

Power Consumption (Standby Mode)

| | |
|-------------------|---|
| AC 100 V to 120 V | 0.5 W (when “Standby mode” is set to “Low”) |
|-------------------|---|

| | |
|-------------------|---|
| AC 220 V to 240 V | 0.5 W (when “Standby mode” is set to “Low”) |
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Power Consumption (Networked Standby Mode)

| | |
|-------------------|---|
| AC 100 V to 120 V | 5.0 W (LAN) |
| | 5.6 W (optional WLAN module) |
| | 5.8 W (All Terminals and Networks Connected) (when "Standby Mode" is set to "Standard") |

| | |
|-------------------|---|
| AC 220 V to 240 V | 5.3 W (LAN) |
| | 5.9 W (optional WLAN module) |
| | 6.0 W (All Terminals and Networks Connected) (when "Standby Mode" is set to "Standard") |

Standby Mode / Networked Standby Mode Activated

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|---|------------------------|
| Standby Mode / Networked Standby Mode Activated | After about 10 Minutes |
|---|------------------------|

Wireless Network(s) On/Off Switch

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| Wireless Network(s) On/Off Switch | 1) Press the MENU button, then select [Connection/Power] 2) [WLAN Settings] 3) [WLAN Connection] 4) Select On or Off |
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Heat dissipation

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|-------------------|------------|
| AC 100 V to 120 V | 1075 BTU/h |
| AC 220 V to 240 V | 1031 BTU/h |

Dimensions (W x H x D)

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| Dimensions (W x H x D) (without protrusions) | Approx. 365 x 138.7 x 310 mm (14 3/8 x 5 15/32 x 12 7/32 inches) |
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Mass

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| Mass | Approx. 4.4 kg (9 lb) |
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Supplied accessories

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| Remote commander | RM-PJ8 |
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Optional accessories

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| Replacement lamp | LMP-E212 |
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| Wireless LAN Module | IFU-WLM3 |
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Notes

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| *1 | This figure is expected maintenance time, not guaranteed time. The actual value depends on the environment and how the projector is used. |
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| *2 | The value is average. |
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| *3 | Available for VESA Reduced Blanking signal. |
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| *4 | From INPUT A and INPUT B. |
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| *5 | Works as an audio switcher function. Output from a selected channel; not available in standby. |
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| Environmental notice for customers in the USA | Lamp in this product contains mercury. Disposal of these materials may be regulated due to environmental considerations. For disposal or recycling information, please contact your local authorities or see www.sony.com/mercury for |
|---|---|

additional information.

Gallery

