

## 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 panels 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.

## Technical Specifications

Display system	
● Display system	3 LCD system

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

Projection lens	
● Focus	Manual
● Throw ratio	0.46:1

Light source	
● Type	Ultra high pressure mercury lamp
● Wattage	210 W type

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

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")

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	
● Standby Mode / Networked Standby Mode Activated	After about 10 Minutes

Wireless Network(s) On/Off Switch	
● 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

Heat dissipation	
● AC 100 V to 120 V	1075 BTU/h
● AC 220 V to 240 V	1031 BTU/h

Dimensions (W x H x D)	
● 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)

Mass	
● Mass	Approx. 4.4 kg (9 lb)

Supplied accessories	
● Remote commander	RM-PJ8

Optional accessories	
● Replacement lamp	LMP-E212
● Wireless LAN Module	IFU-WLM3

Notes	
● *1	This figure is expected maintenance time, not guaranteed time. The actual value depends on the environment and how the projector is used.
● *2	The value is average.
● *3	Available for VESA Reduced Blanking signal.
● *4	From INPUT A and INPUT B.
● *5	Works as an audio switcher function. Output from a selected channel; not available in standby.

## Accessories

### Ceiling Brackets



**PAM-210**  
Projector Ceiling Mount for  
Installation Projector

### Lamps



**LMP-E212**  
Replacement Lamp for the  
VPL-S500, VPL-S200 and VPL-  
E200 Series

### Wireless TX/RX Accessories



**IFU-WLM3**  
USB wireless LAN module