

VPL-SX235

3,200 lumens XGA Short Throw projector



Overview

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

The VPL-SX235 short throw projector has a number of features to present high quality images while keeping low TCO. The projector also needs only 75cm 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**

75cm for 80-inch image.

- **3LCD Color Light Output colour reproduction and high brightness**

3200 lumen brightness with native XGA (1024 x 768) 4:3 screen resolution.

- **Long-lasting life**

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-SX235 offers a 0.46:1 throw ratio that produces a 2.03m (80-inch) diagonal screen size image from only 75cm (29-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 3200 lumen in High lamp mode**

The VPL-SX235 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 XGA (1024 x 768) 4:3 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.

Technical Specifications

SPECIFICATIONS	
● Display system	3 LCD system
● Display device - Size of effective display area	0.63" (16 mm) x 3 BrightEra Aspect ratio: 4:3
● Display device - Number of pixels	2,359,296 (1024 x 768 x 3) pixels
● Projection lens - Focus	Manual
● Projection lens - Throw ratio	0.46:1
● Light source	Ultra high pressure mercury lamp 210 W type
● Recommended lamp replacement time*1	4000 H / 6000 H / 10000 H (Lamp mode: High / Standard / Low)
● Filter cleaning cycle*1	Max. 7000 H
● Screen size	60" to 110" (0.55 m to 1.04 m)
● Light output (Lamp mode: High / Standard / Low)	3200 lm / 2400 lm*2 / 1900 lm*2
● Color light output (Lamp mode: High / Standard / Low)	3200 lm / 2400 lm*2 / 1900 lm*2
● Contrast ratio (full white / full black)*3	3000:1
● Displayable scanning frequency - Horizontal	14 kHz to 93 kHz
● Displayable scanning frequency - Vertical	47 Hz to 93 Hz
● Display resolution - Computer signal input	Maximum display resolution: UXGA 1600 x 1200 dots*4 Panel display resolution: 1024 x 768 dots
● Display resolution - Video signal input	NTSC, PAL, SECAM, 480/60i, 576/50i, 480/60p, 576/50p, 720/60p, 720/50p, 1080/60i, 1080/50i, 1080/60p, 1080/50p
● Color system	NTSC3.58, PAL, SECAM, NTSC4.43, PAL-M, PAL-N
● Keystone correction	Vertical: Max. +/- 10 degrees
● 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)
● Computer and video signal input/output INPUT A	RGB / Y PB PR input connector: Mini D-sub 15-pin (female), Audio input connector: Stereo mini jack
● Computer and video signal input/output INPUT B	RGB input connector: Mini D-sub 15-pin (female), Audio input connector: Stereo mini jack
● Computer and video signal input/output INPUT C	HDMI input connector: HDMI 19-pin, HDCP support Audio input connector: HDMI audio support
● Computer and video signal input/output S VIDEO IN	S video input connector: Mini DIN 4-pin, Audio input connector: Pin jack (x2) (shared with VIDEO IN)

<ul style="list-style-type: none"> Computer and video signal input/output VIDEO IN 	Video input connector: Pin jack, Audio input connector: Pin jack (x2) (shared with S VIDEO IN)
<ul style="list-style-type: none"> Computer and video signal input/output OUTPUT 	Monitor output connector*5: Mini D-sub 15-pin (female), Audio output connector*6: Stereo mini jack (variable out)
<ul style="list-style-type: none"> Control signal input/output, Others 	RS-232C connector: D-sub 9-pin (male) LAN connector: RJ-45, 10BASE-T/100BASE-TX USB: Type-A, Type-B Microphone input: Mini jack
<ul style="list-style-type: none"> Speaker 	16 W x 1 (monaural)
<ul style="list-style-type: none"> Operating temperature (Operating humidity) 	0°C to 40°C / 32°F to 104°F (20% to 80%; no condensation)
<ul style="list-style-type: none"> Storage temperature (Storage humidity) 	-10°C to +60°C / -14°F to +140°F (20% to 80%)
<ul style="list-style-type: none"> Power requirements 	AC 100 V to 240 V, 3.2 A to 1.3 A, 50 Hz / 60 Hz
<ul style="list-style-type: none"> Power consumption (Lamp mode: High / Standard / Low) AC 100 V to 120 V 	308 W / 251 W*2 / 219 W*2
<ul style="list-style-type: none"> Power consumption (Lamp mode: High / Standard / Low) AC 220 V to 240 V 	297 W / 242 W*2 / 212 W*2
<ul style="list-style-type: none"> Power Consumption (Standby Mode) - AC 100 V to 120 V 	0.5W (when "Standby mode" is set to "Low")
<ul style="list-style-type: none"> Power Consumption (Standby Mode) - AC 220 V to 240 V 	0.5W (when "Standby mode" is set to "Low")
<ul style="list-style-type: none"> 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")
<ul style="list-style-type: none"> Power Consumption (Networked Standby Mode) - 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")
<ul style="list-style-type: none"> Power Consumption (Networked Standby Mode) - AC 220 V to 240 V 	after about 10 minutes
<ul style="list-style-type: none"> 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
<ul style="list-style-type: none"> Heat dissipation AC 100 V to 120 V 	1051 BTU
<ul style="list-style-type: none"> Heat dissipation AC 220 V to 240 V 	1014 BTU
<ul style="list-style-type: none"> Outside dimensions 	W 365 x H 138.7 x D 310 mm (W 14 3/8 x H 5 15/32 x D 12 7/32 inches) (without protrusions)
<ul style="list-style-type: none"> Mass 	4.4 kg / 9 lb 10 oz
<ul style="list-style-type: none"> Supplied accessories 	RM-PJ8 Remote Commander (1), Lithium battery: CR2025 (1), AC Power Cord (1), Operating Instructions (CD-ROM) (1), Quick Reference Manual (1), Mini D-sub 15-pin cable (1), Projector Station for Network Presentation application (CD-ROM) (1)
<ul style="list-style-type: none"> Replacement lamp 	LMP-E212
<ul style="list-style-type: none"> *1 	The figures are the expected maintenance time and not guaranteed. They will depend on the environment or how the projector is used.
<ul style="list-style-type: none"> *2 	The values are estimate
<ul style="list-style-type: none"> *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.

Other Accessories



IFU-WLM3
USB wireless LAN module