

VPL-SW535

Ultra short throw widescreen WXGA resolution projector for educational and business environments

The VPL-SW535 widescreen WXGA projector is an ideal choice for ultra close projection applications in the corporate and educational markets. This projector offers:

LOW TOTAL COST OF OWNERSHIP

The model has a low brightness mode which reduces power consumption and extends the lamp lifetime to approximately 6000 hours, which means lower operating costs across the board.

EASE OF OPERATION

This projector is ideal for small or difficult spaces - its ultra short throw ratio can produce a 2.03M (80") diagonal screen size image from only 0.58M (1.9 feet) away from the screen. It also has easy to operate controls.

BRIGHT, CLEAR PRESENTATIONS

Excellent contrast, consistent colour stability, high picture quality and longer durability will improve visibility and enhance teaching quality.

PRIMESUPPORT

All Sony business projectors come supplied with a 3-year support pack which offers unique extra services and benefits

- 3 years' cover
- Free telephone helpdesk support in English, German, French, Italian and Spanish.
- Collection and delivery anywhere in EU, Norway and Switzerland

Features

Maximum 3000 lumens brightness with High, Standard and Low modes

The VPL-SW535 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.

0.27 - 0.29:1 throw ratio

The VPL-SW535 offers a 0.27 - 0.29:1 throw ratio that produces a 2.03M (80") diagonal screen size image from only 0.58M (1.9 feet) away from the screen.

3LCD BrightEra Technology

Sony's 0.75 inch BrightEra inorganic TFT 3-LCD panels deliver improved panel light resistance, higher resolution, high brightness and increased panel reliability.

WXGA Widescreen Resolution

The VPL-SW535 has a colour light output of 3000 ANSI lumens and with a native WXGA (1280 x 800) widescreen resolution panel is perfect for video or presentations direct from a laptop or PC.

6000 hours Lamp Life

New driving scheme reduces gap expansion that reduces brightness gradation and a new cooling system allows uniformity in the temperature of the glass bulb which prevents the glass from clouding.

Eco Mode Key

Users can easily select power-saving Eco Modes. The most energy-efficient mode is accessible through a single button-push, and further adjustments are available through an easily understood menu system.

ECO Lamp Dimming

This projector (if function is on) can reduce power consumption and brightness by 10~15% without user detection during a input image. After a user pre-set time, the brightness and power consumption will reduce to 30%.

ECO Picture Mute - (Instant off / Instant On)

Picture Mute reduces power consumption down to 30% power usage, saving cost and lamp hours. This feature can be used in the education market as instant off / instant on in-between class changes, avoiding the need to power off completely and then turn back on - which does increase power consumption and is time consuming.

Digital / HD Ready

HDMI input means the VPL-SW535 can accept High Definition digital signals from PC or Video source.

Automatic Keystone Adjustment

The projector can detect keystone distortion and can correct it automatically. (Note that since this is an electronic correction, it may reduce the picture quality slightly).

Smart APA (Auto Pixel Alignment)

When a computer is used as a picture source, APA automatically optimizes Phase, Pitch and Shift values. These can also be adjusted manually.

Auto Input Search

Auto Input Search detects which input has an incoming signal, and automatically switches to it. This makes it easier for users to set up the projector prior to making a presentation.

Picture Muting / Audio Muting

If there is a need to blackout the image or turn off the audio from the projector, all it takes is a single button-press on the remote control. One button will mute audio and image at the same time. There is also a separate "mute audio" button for audio-only muting.

Six Picture Modes

The VPL-SW535 has six available picture modes for correct picture quality; Dynamic, Standard, Game, Living, Cinema, and Presentation. Six picture mode and 3 brightness mode combined, the user can select most suitable picture / brightness mode according to the picture source and environment for perfect image.

Audio switcher facility

To avoid the need for a separate audio switcher, the projector can be used to select between two audio sources, routing them via a variable audio output to the room amplification system.

Picture Freeze Function

Picture Freeze is useful during presentations if you need to look at other material on your PC's screen without the viewing audience being aware. Freeze the current image, and you can use your PC independently of the display from the projector.

Digital Zoom

With Digital Zoom, if you are displaying a computer-sourced image, you can enlarge a selected area of the screen image up to four times.

Off and Go

At the end of a presentation, you can turn off the power supply to the projector immediately, instead of going through a 'power down' cycle.

Direct Power On/Off

With this function, there is no need to go through 'Standby' mode when powering up the projector. The projector can be set to activate as soon as power is applied.

Filter cleaning at the same time as lamp replacement

The filter only needs to be cleaned when a new lamp is fitted, potentially halving disruption due to maintenance.

Web Control and Monitoring / E-mail Report

A built-in Web Browser allows the user or AV manager to check a projector status remotely. Power ON/STANDBY, Input / output, Lamp usage (hours) can be controlled. A E-mail address can also be set to notify lamp exchange/replacement or any unexpected problems.

Technical Specifications

Optical	
Display System	3LCD system

Display device	
Size of effective display area	0.75" (15.0 mm) x 3, BrightEra, Aspect ratio: 16:10
Number of pixels	3,072,000 (1280 x 800 x 3) pixels

Projection Lens	
Zoom	X 1.05
Focus	Manual
Digital Zoom	X4
Lens Shift	V: +/- 4.4%, H: +/- 2.7%
Lamp	High-pressure mercury lamp 210 W type

Recommended lamp replacement time*1	3000 H / 4500 H / 6000 H (Lamp mode: High / Standard / Low)
Filter cleaning cycle	6000 H - New Filter System
Screen Size	70" to 130" (1.8 m to 2.8 m)
Light output (Lamp mode: High / Standard / Low)	3000 lm / 2400 lm / 2000 lm
Colour light output (Lamp mode: High / Standard / Low)	3000 lm / 2400 lm / 2000 lm
Contrast ratio (full white / full black)*2	2500:1
Fan noise	28dB (low)
Speaker	1 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 input signal resolution: 1600 x 1200 (resizing display) fV60Hz Panel display resolution: 1280 x 800 pixels
Video signal input	Video (Composite), 15K (480/60i, 576/50i), DTV (480/60p, 576/50p, 720/60p, 720/50p, 1080/60i, 1080/50i)
Colour system	Auto / NTSC3.58, PAL, SECAM, NTSC4.43, PAL-M, PAL-N
Keystone correction	Vertical: Max. +/- 5 degrees
OSD language	20-languages (English, Dutch, French, Italian, German, Spanish, Portuguese, Turkish, Polish, Russian, Swedish, Norwegian, Japanese, Simplified Chinese, Traditional Chinese, Korean, Thai, Vietnamese, Arabic, Farsi)

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
INPUT B	HDMI™
COMPOSITE VIDEO	Video input connector: Pin Jack Audio input connector: Pin jack
S-VIDEO IN	S video input connector: Mini DIN-4 pin Audio input connector: Pin jack (x2)
OUTPUT	Monitor output connector*4: Mini D-sub 15-pin (female), Audio output connector*5: Stereo mini jack (variable out)
Control signal input/output	RS-232C connector: D-sub 9-pin (female) LAN connector: RJ45, 10BASE-T/100BASE-TX
Operating temperature (Operating humidity)	0°C to 40°C / 32°F to 104°F (35% to 85%; no condensation)
Storage temperature (Storage humidity)	(-20°C to 60°C / -4°F to 140°F) (10% to 90%; no condensation)
Power requirements	AC 100 V to 240 V, 3.6- 1.4 A, 50 Hz /60 Hz

Power Usage

AC 100 V to 120 V	290W (High brightness mode)
AC 220 V to 240 V	280W (High brightness mode)
AC 100 V to 120 V	8 W / 0.3 W (Standby mode: Standard / Low)
AC 220 V to 240 V	8 W / 0.3 W (Standby mode: Standard / Low)
AC 100 V to 120 V	989 BTU (Heat Dissipation)
AC 220 V to 240 V	955 BTU (Heat Dissipation)

General

Outside dimensions	W 384.4 x H 161.1 x D 423.4 mm / W 15 1/8 x H 6 11/32 x D 16 21/32 in , W 384.4 x H 122.5 x D 423.4 mm / W 15 1/8 x H 4 13/16 x D 16 21/32 in (without protrusion)
Mass	7.0kg / 15lb 7oz

Notes

*1	The figures are expected maintenance time and not guaranteed. They will depend on the environment or how the projector is used.
*2	The value is average.
*3	Not available in standby.
*4	Works as audio switcher function. From current channel only. Not available in standby.

Supplied Accessories

	Wall Mount Bracket
RM-PJ7	Remote Commander RM-PJ7 (1)
CR2025	Lithium Battery (1)
	Mini D-sub 15-pin cable (1)
	Lens Cap (1)
	Operating Instructions (1) WEEE, EU Battery Info, Service Documentation
	Quick Reference Manual (1)
	AC power cord (1)