

VPL-SW536

3,100 lumens WXGA Ultra Short Throw projector



Overview

Designed for education, the VPL-SW536 WXGA (widescreen) projector provides the perfect teaching tool for glare-less projection in changing light conditions.

The VPL-SW536 WXGA (widescreen) projector with easy installation and multiple media connectivity is an ideal choice for ultra-close projection applications in educational markets.

This projector offers:

LOW TOTAL COST OF OWNERSHIP

The model has a low brightness mode which reduces power consumption and extends the recommended lamp replacement time to approximately 6000 hours, lowering overall operating costs.

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 0.48 - 0.49m (1.56 - 1.60 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 improves visibility enhancing teaching quality.

Features

Maximum 3100 colour light output with High, Standard and Low modes

The VPL-SW536 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.

0.27:1 to 0.29:1 throw ratio

The VPL-SW536 offers a 0.27:1 to 0.29:1 throw ratio that produces a 2.03M (80") diagonal screen size image from only 0.47 - 0.49M (1.54 - 1.61 feet) away from the screen.

3LCD BrightEra Technology

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

WXGA Widescreen Resolution

The VPL-SW536 has a colour light output of 3100 and with a native WXGA (1280 x 800) widescreen resolution panel - perfect for video or presentations direct from a laptop or PC.

6000 hours lamp replacement time

The driving scheme reduces gap expansion and brightness gradation. A new cooling system allows for uniformity in the temperature of the glass bulb, preventing the glass from clouding.

ECO Mode Key

Easily access a choice of energy-efficient modes at the touch of a button.

Lamp Dimming

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

Picture Mute - (Instant off / Instant On)

Picture Mute reduces power consumption down to 30% power usage, saving both 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 increases power consumption and is less 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 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.

Six Picture Modes

The VPL-SW535 has six available picture modes for correct picture quality; Dynamic, Standard, Game, Blackboard, 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, enabling the user to look at other material on their PC's screen without the viewing audience being aware. Freeze the current image, and users can use their PC independently of the display from the projector.

Digital Zoom

Digital Zoom allows you to enlarge a selected area of a computer sourced image you are displaying - up to four times.

Off and Go

At the end of a presentation, you can turn off the power supply to the projector immediately, avoiding 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 maintenance down-time.

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. An E-mail address can also be set to notify lamp exchange/replacement or any unexpected problems.

Specifications

Display system

Display system	3 LCD system
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Display device

Size of effective display area	0.75" (19 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
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Projection lens

Focus	Manual
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Zoom - Powered/Manual	Manual
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Zoom - Ratio	Approx. x 1.05
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Throw Ratio	0.27:1 to 0.29:1
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Lens shift - Powered/Manual	Manual
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Lens shift - Range Vertical	+/- 4%
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Lens shift - Range Horizontal	+/- 2%
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Light source

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	3000 H
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Lamp mode: Standard	4500 H
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Lamp mode: Low	6000 H
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Filter cleaning / replacement cycle (Max.)*1

Filter cleaning / replacement cycle (Max.)	6000 H (Cleaning) Same time as the lamp replacement is recommended
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Screen size

Screen size	70" to 133" (1.78 m to 3.30 m)(measured diagonally)
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Light output

Lamp mode: High	3100 lm
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Lamp mode: Standard	2400 lm
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Lamp mode: Low	2000 lm
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Color light output

Lamp mode: High	3100 lm
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Lamp mode: Standard	2400 lm
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Lamp mode: Low	2000 lm
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Contrast ratio (full white / full black)*2

Contrast ratio (full white / full black)	2500:1
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Speaker

Speaker	16 W x 1 (monaural)
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Displayable scanning frequency

Horizontal	15 kHz to 92 kHz
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Vertical	48 Hz to 92 Hz
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Display resolution

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

Color system	NTSC3.58, PAL, SECAM, NTSC4.43, PAL-M, PAL-N
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Keystone correction (Max.)

Vertical	+/- 5 degrees
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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)
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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 (male)
LAN	RJ-45, 10BASE-T/100BASE-TX
USB	Type-A
USB	Type-B
MICROPHONE IN	Microphone input: Mini Jack

Acoustic noise

Lamp mode: Low	28 dB
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Operating temperature / Operating humidity

Operating temperature / Operating humidity	0°C to 40°C (32°F to 104°F) / 35% to 85% (no condensation)
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Storage temperature / Storage humidity

Storage temperature / Storage humidity	-20°C to +60°C (-4°F to +140°F) / 10% to 90% (no condensation)
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Power requirements

Power requirements	AC 100 V to 240 V, 3.0 A to 1.3 A, 50 Hz / 60 Hz
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Power consumption

AC 100 V to 120 V	Lamp mode: High: 291 W
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AC 100 V to 120 V	Lamp mode: High: 282 W
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Power Consumption (Standby Mode)

AC 100 V to 120 V	0.5 W (when "Standby mode" is set to "Low")
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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	5.4 W (LAN) 5.7 W (optional WLAN module) 6.0 W (All Terminals and Networks Connected) (when "Standby Mode" is set to "Standard")
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AC 220 V to 240 V	5.4 W (LAN) 5.7 W (optional WLAN module) 6.0 W (All Terminals and Networks Connected) (when "Standby Mode" is set to "Standard")
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Standby Mode / Networked Standby Mode Activated

Standby Mode / Networked Standby Mode Activated	After about 10 Minutes
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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
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Heat dissipation

AC 100 V to 120 V	993 BTU/h
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AC 220 V to 240 V	962 BTU/h
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Dimensions (W x H x D)

Dimensions (W x H x D) (without protrusions)	Approx. 384.4 x 122.5 x 423.4 mm (15 1/8 x 4 13/16 x 16 21/32 inches)
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Mass

Mass	Approx. 7.0 kg (15 lb)
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Supplied accessories

Remote commander	RM-PJ8
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Optional accessories

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

*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.
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