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VPL-SX536

3,000 lumens XGA Ultra Short Throw projector

Overview

The VPL-SX536 XGA 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 recommended lamp replacement time 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 0.56 – 0.58M (1.84 – 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.

Features

- **Maximum 3000 lumens brightness with High, Standard and Low modes**

  The VPL-SX536 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.

- **0.34:1 to 0.36:1 throw ratio**

  The VPL-SX536 offers a 0.34:1 to 0.36:1 throw ratio that produces a 2.03M (80") diagonal screen size image from only 0.56 – 0.58M (1.84 – 1.9 feet) away from the screen.

- **3LCD BrightEra Technology**

  Sony's 0.63 inch BrightEra 3LCD panels deliver improved panel light resistance, higher resolution, high brightness and increased panel reliability.

- **XGA Resolution**

  The VPL-SX536 has a colour light output of 3000 ANSI lumens and with a native XGA (1024 x 768) 4:3 screen resolution panel is perfect for presentations direct from a laptop or PC.

- **6000 hours lamp replacement time**

  The 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**

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

- **Lamp Dimming**

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

- **Picture Mute - (Instant off / Instant On)**

  New 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. No need to power complete off and turn back on that does increase power consumption and time consuming.

- **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.

- **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 maintenance down-time.

- **Multiple Picture Modes**

  The VPL-SX536 has six picture modes (Dynamic, Standard, Game, Blackboard, Cinema and Presentation) that can be selected to suite the nature of the source material.

Technical Specifications

Display System	
Display System	3 LCD system

Display device	
Size of effective display area	0.63" (16.0 mm) x 3 BrightEra LCD Panel, Aspect ratio: 4:3
Number of pixels	2,359,296 (1024 x 768 x 3) pixels

Projection lens	
Focus	Manual
Zoom - Powered/Manual	Manual
Zoom - Ratio	Approx. x 1.05
Throw Ratio	0.34:1 to 0.36:1
Lens shift - Powered/Manual	Manual
Lens shift - Range Vertical	+/- 4%
Lens shift - Range Horizontal	+/- 3%

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

Recommended lamp replacement time *1	
Lamp mode: High	3000 H
Lamp mode: Standard	4500 H
Lamp mode: Low	6000 H

Filter cleaning / replacement cycle (Max.) *1	
Filter cleaning / replacement cycle (Max.)	6000 H (Cleaning) Same time as the lamp replacement is recommended

Screen size	
Screen size	60" to 110" (1.52 m to 2.79m) (measured diagonally)

Light output	
Lamp mode: High	3000 lm
Lamp mode: Standard	2400 lm
Lamp mode: Low	2000 lm

Color light output	
Lamp mode: High	3000 lm
Lamp mode: Standard	2400 lm
Lamp mode: Low	2000 lm

Contrast ratio (full white / full black) *2	
Contrast ratio (full white / full black) *2	2500:1

Speaker	
Speaker	16 W x 1 (monaural)

Displayable scanning frequency	
Horizontal	15 kHz to 92 kHz
Vertical	48 Hz to 92 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	+/- 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, Farci, 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: Streo 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

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

Storage temperature / Storage humidity

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

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

Power consumption	
AC 100 V to 120 V	Lamp mode : High : 306 W
AC 220 V to 240 V	Lamp mode : High : 296 W

Standby mode power consumption	
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	5.4 W (LAN) 5.7 W (optional WLAN module) 5.6 W (ALL Terminals and Networks Connected, when "Standby Mode" is set to "Standard")
AC 220 V to 240 V	5.4 W (LAN) 5.7 W (optional WLAN module) 5.6 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	1044 BTU/h
AC 220 V to 240 V	1010 BTU/h

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)

Mass	
Mass	Approx. 7.0 kg (15 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

Other Accessories

IFU-WLM3

USB wireless LAN module