

VPL-SW635C

3,100 lumens WXGA Ultra Short Throw interactive projector



Overview

Bright, high contrast widescreen projector with easy installation and energy-saving features: ideal for mid-size classroom and meeting rooms, with interactive functions and optional wireless connectivity.

The VPL-SW635C Ultra Short Throw projector is ideal for classroom or corporate use, with simple, flexible installation and plenty of interfaces for connection with other devices.

Advanced 3LCD BrightEra™ panel technology by Sony delivers extremely bright, high contrast, widescreen WXGA images with excellent colour stability. The projector's powerful 3,100 lumens colour light output ensures that presentations are always seen clearly, even in brightly-lit classrooms.

Seamless integration with school or office networks can be enhanced with an optional Wi-Fi module, letting students wirelessly share homework, images and graphics from PCs, smartphones and tablets. Learning's made richer and more collaborative with dual pen interactivity, allowing teacher and pupil to write on screen simultaneously. In PC-free interactive mode, you don't even need a connected PC to write, draw and annotate on-screen presentations.

There's a wide range of smart energy-saving features built in. In addition, extended lamp replacement time up to 8,000 hours allows for synchronised filter and lamp maintenance, minimising costs and reducing downtime in busy classrooms.

Features

- **Bright, clear images with maximum 3,100 lumens colour light output**

The projector's high light output ensures that presentations are seen clearly in any classroom or meeting room. There's a choice of three brightness modes to suit any environment, from bright daylight to darkened rooms.

- **Ultra short throw distance**

The VPL-SW635C offers a 0.27:1 throw ratio that produces a 2.03M (80") diagonal screen size image from only approx. 0.47M (1.54 feet) away from the screen.

- **WXGA resolution for detail-packed presentations**

WXGA (1280 x 800) resolution gives lots of crisp, fine detail: perfect for making presentations direct from a laptop or PC.

- **3LCD BrightEra™ technology**

The projector's efficient 3LCD panel system is enhanced by advanced BrightEra™ technology by Sony. You'll see the difference with impressively bright, consistent, high resolution images and increased panel reliability.

- **Up to 8000 hours long-lasting lamp for reduced maintenance and down time**

Teach for longer without interruption, with reduced maintenance that contributes directly to lower lifetime ownership costs. Filter cleaning cycles are synchronised with lamp replacement, cutting scheduled maintenance visits even further.

- **Advanced energy-saving features**

Advanced lamp technology enables a range of energy-saving features. Auto Light Dimming mode saves energy when the projector is left on without being used. During projection, Auto Picture Mode automatically adjusts light output to suit the scene being projected. Picture Mute dims the projected image when it's not needed to minimise energy consumption.

- **Network presentation (LAN/Wireless LAN)**

Project presentations from a networked PC or Mac. Present JPEG, PDF and other files wirelessly from a tablet or smartphone. Up to four users can project PC/Mac images simultaneously, while up to eight users can connect to one projector. The Projector Station for Network Presentation application for Windows/Mac is included. For tablet/smartphone use, an application is provided by Pixelworks, downloaded from the web. For details visit <http://PWPresenter.pixelworks.com>

- **Remote control from iPhone/iPad**

Control projector features from anywhere in the room with your handheld iOS device.

- **Control and management from any networked PC**

Projector functions and status can be managed and monitored remotely from a networked PC, using the included Projector Station for Network Control application.

- **USB Media viewer**

Insert a USB drive and display photos, images or graphics with no PC needed.

- **USB display for easy one-cable PC connection**

Present pictures and audio* from a connected PC or Mac with just one USB cable - you don't even need to

install a software driver.

* There may be a time lag between video and audio. For low-latency applications it is recommended to use projector's line-in or HDMI-in connection.

- **Dual-pen PC interactivity**

Allows teacher and pupil to write on screen simultaneously, or annotate images from an external source with wide range of drawing tools: two interactive pens and IPU2 PC software included.

- **PC-free interactivity**

Up to two people can sketch, draw, write and annotate on-screen presentations with no need for a connected computer.

- **White board mode**

Make on-screen annotations on images from an external source such as a document camera. Save annotations as snapshots for instant recall.

- **Clear, rich audio from built-in speaker**

There's no need to add an extra audio system: enjoy rich, room-filling sound from the powerful 16W speaker.

- **Quick and easy to install**

Adjustable optical zoom and lens shift simplify speedy, fuss-free installation in any classroom. Generous connections simplify hook-ups with PCs, DVD players, microphones and other AV devices.

Technical Specifications

Display System	
● Display System	3 LCD system

Display device	
● Size of effective display area	0.59" (15.0 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
● Zoom - Powered/Manual	Manual
● Zoom - Ratio	Approx. x 1.03
● Throw Ratio	0.27:1 to 0.27:1
● Lens shift - Powered/Manual	Manual
● Lens shift - Range Vertical	+/- 3.7%
● Lens shift - Range Horizontal	+/- 2.3%

Light source	
● Type	Ultra high pressure mercury lamp
● Wattage	225 W type

Recommended lamp replacement time *1	
● Lamp mode: High	3000 H
● Lamp mode: Standard	5000 H
● Lamp mode: Low	8000 H

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

Screen size	
● Screen size	65" to 110" (1.65 m to 2.79 m) (measured diagonally)

Light output	
● Lamp mode: High	3100 lm
● Lamp mode: Standard	2300 lm
● Lamp mode: Low	1900 lm

Color light output	
● Lamp mode: High	3100 lm
● Lamp mode: Standard	2300 lm
● Lamp mode: Low	1900 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	15kHz to 92kHz
● Vertical	48Hz to 92Hz
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	+4/- 1 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 (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) / 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 3.4 A to 1.5 A, 50Hz / 60Hz
Power consumption	
● AC 100 V to 120 V	Lamp mode : High : 339 W
● AC 220 V to 240 V	Lamp mode : High : 326 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	5.2 W (LAN) 5.7 W (optional WLAN module) 5.9 W (All Terminals and Networks Connected) (when "Standby Mode" is set to "Standard")
● AC 220 V to 240 V	5.5 W (LAN) 5.9 W (optional WLAN module) 6.2 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	1157 BTU/h
● AC 220 V to 240 V	1112 BTU/h
Dimensions (W x H x D)	
● Dimensions (W x H x D) (without protrusions)	Approx. 372 x 138 x 382 mm (14 21/32 x 5 7/16 x 15 1/32 inches)
Mass	
● Mass	Approx. 6.3kg (13lb)
Supplied accessories	
● Remote commander	RM-PJ8
Optional Accessories	
● Replacement lamp	LMP-E220
● Interactive pen device	IFU-PN250A/IFU-PN250B
● Wireless LAN module	IFU-WLM3
Notes	
● *1	The figures are the expected maintenance time and not guaranteed. They will depend on the environment or 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



PSS-640
Projector suspension support

Lamps



LMP-E220
Replacement Lamp for the
VPL-S600 Series

Other Accessories



IFU-PN250A
Interactive pen device



IFU-PN250B
Interactive pen device

Wireless TX/RX Accessories



IFU-WLM3
USB wireless LAN module