VPL-SW631

3,300 lumens WXGA Ultra Short
Throw projector

Overview

Bright, high contrast widescreen projector for mid-size classrooms and meeting rooms: with easy installation and low ownership costs.

The VPL-SW631 Ultra Short Throw projector is ideal for classroom or corporate use, with simple, flexible installation, low ownership costs and easy connection to other devices.

Present big, bright images over 2m across with the projector as little as 47cm from the screen or whiteboard, with less distracting glare and shadows.

Advanced 3LCD BrightEra™ panel technology by Sony ensures high contrast, widescreen WXGA images with excellent colour stability. The projector's powerful 3,300 lumens colour light output ensures that presentations are always seen clearly, even in brightly-lit environments.

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.

There's a wide range of smart energy-saving features built in. An extra-long lamp replacement time of up to 10,000 hours

minimises costs and reduces downtime in busy classrooms and offices. A newly-designed wall mount bracket makes installation easier in rooms with low ceilings.

Features

Bright, clear images with maximum 3,300 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

Present images up to 80" across (2.03m diagonal) with the projector just 47cm from the screen or whiteboard. Distracting glare and shadows are greatly reduced, as well as saving space in a classroom or meeting room.

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.

Gamma adjustment

A new gamma curve adjustment offers three settings for accurate tonal reproduction with rich, punchy colours and clear, easy-to-read text.

Up to 10,000 hours (in Low mode) long-lasting lamp for reduced maintenance and down time

Present 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.

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.

Wired or wireless network presentation

Upgraded Network Presentation software (included) makes it easier than ever to deliver presentations from a networked PC or Mac with simple one-click connection. Up to four users can project PC/Mac images simultaneously, and up to eight users can connect to one projector. Add the optional IFU-WLM3 USB wireless LAN module and present wirelessly from your tablet or smartphone, using the VueMagic app from Pixelworks (see https://www.vuemagic.com/?q=node/17)

Remote control from iOS mobile devices

Download free Projector Remote app for iOS and easily control projector features from anywhere in the room with your iPhone or iPad.

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.

Input label function

It's easier to keep track of various sources with a new input label function that lets you see the name of connected PCs, cameras, BD/DVD players and other devices on screen.

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.

Easy wall mounting

Installation's even easier with a new wall mounting bracket design that gives extra flexibility in rooms with low ceilings.

Specifications

Display System	
Display System	3 LCD system

Display device	
Size of effective display area	0.59" (15 mm) x 3 BrightEra LCD Panel, Aspect ratio 16:10
Number of pixels	3,072,000 (1280x800 x 3) pixels

Projection lens	

Focus	Manual
Zoom - Powered/Manual	Manual
Zoom - Ratio	Approx. x 1.03
Throw Ratio	0.27:1-0.27:1 (0.267:1-0.274:1)
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 *3

Lamp mode: High	4000 H
Lamp mode: Standard	6000 H
Lamp mode: Low	10000 H

Filter cleaning / replacement cycle (Max.)

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

Screen size

Screen size	65"-110" (measured diagonally)

Light output *1

Lamp mode: High	3300 lm
Lamp mode: Standard	2300 lm
Lamp mode: Low	1900 lm

Color light output *1

Lamp mode: High	3300 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	16W (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	480/60i, 480/60p, 575/50p, 720/60p, 720/50p, 1080/60i, 1080/50i, 1080/60p, 1080/50p

Color system

Color system	NTSC3.58, PAL, SECAM, NTSC4.43, PAL-M, PAL-N,PAL-60

Keystone correction (Max.) *4

Vertical	+/-5 degrees

OSD language

OSD language	27-language (English, French, German, Italian, Spanish, Portuguese, Japanese, Chinese(簡・繁), Korean, Russian, Dutch, Norwegian, Swedish, Thai, Arabic,Turkish, Polish, Vietnamese, Farsi, Finnish, Indonesian, Hungary, Greek, Czech, Slovakia, Romania)

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 HDCP support, Audio input connector: HDMI audio support

S VIDEO IN	S Video input connector: Mini DIN 4-pin
VIDEO IN	Video input connector: pin jack
OUTPUT	Monitor output connector: Mini D-sub 15-pin (female) Audio output connector: Stereo mini jack (variable out)
REMOTE	D-sub 9-pin male/RS232C
LAN	RJ-45, 10BASE-T/100BASE-TX
USB	Type-A
USB	Type-B
MICROPHONE IN	Microphone input: Mini jack

Acoustic noise *5

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, 3.3 A to 1.5 A, 50 Hz / 60 Hz

Power consumption

AC 100 V to 120 V	Lamp mode : High : 330 W
AC 220 V to 240 V	Lamp mode : High : 320 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)

	5.3 W (LAN) 5.9 W (optional WLAN module)

AC 100 V to 120 V	6.1 W (All Terminals and Networks Connected) (when "Standby Mode" is set to "Standard")
AC 220 V to 240 V	5.6 W (LAN) 6.2 W (optional WLAN module) 6.4 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	1126 BTU

AC 220 V to 240 V	1092 BTU

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. 6.0kg (13lb)

Supplied accessories

Remote commander	RM-PJ8

Optional Accessories

Replacement lamp	LMP-E220
Wireless LAN module	IFU-WLM3

Notes

*1	The values are estimate.
*2	This value is average with lamp dimming.
	The figures are approximate. They

*3	vary depending on the environment or how the projector is.
*4	The picture quality may deteriorate when the V Keystone function is used for it is an electrical.
*5	The figures are approximate. They vary depending on the environment or how the projector is.
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.

Gallery