

VPL-SW631C

3,300 lumens WXGA Ultra Short Throw interactive projector



Overview

Bright, high contrast widescreen projector for mid-size classrooms and meeting rooms: with easy installation, a wide range of interactivity functions and low ownership costs.

The VPL-SW631C Ultra Short Throw projector is ideal for classroom or corporate use, with simple, flexible installation, low ownership costs, enhanced interactivity 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. Learning's made richer and more collaborative with dual pen

interactivity, allowing teacher and pupil to write on screen simultaneously.

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."

Dual-pen PC interactivity

Teacher and pupil can write on screen simultaneously, or annotate images from an external source with mouse control and a wide range of drawing tools: two interactive pens and IPU2 PC software included.

Whiteboard mode

Instantly turn any projection surface into an interactive whiteboard. Make annotations on presentations or images from an external source such as a document camera. Save annotations as snapshots for instant recall.

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" |
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| | |
|------------------|---------------------------------|
| Number of pixels | 3,072,000 (1280x800 x 3) pixels |
|------------------|---------------------------------|

Projection lens

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|-------|--------|
| Focus | Manual |
|-------|--------|

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|-----------------------|--------|
| Zoom - Powered/Manual | Manual |
|-----------------------|--------|

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|--------------|---------------|
| Zoom - Ratio | Approx. x1.03 |
|--------------|---------------|

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|-------------|---------------------------------|
| Throw Ratio | 0.27:1-0.27:1 (0.267:1-0.274:1) |
|-------------|---------------------------------|

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|-----------------------------|--------|
| Lens shift - Powered/Manual | Manual |
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|-----------------------------|---------|
| Lens shift - Range Vertical | +/-3.7% |
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|-------------------------------|---------|
| Lens shift - Range Horizontal | +/-2.3% |
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Light source

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|------|----------------------------------|
| Type | Ultra high pressure mercury lamp |
|------|----------------------------------|

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|---------|-----------|
| Wattage | 225W type |
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Recommended lamp replacement time *3

| | |
|-----------------|--------|
| Lamp mode: High | 4000 H |
|-----------------|--------|

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|---------------------|--------|
| Lamp mode: Standard | 6000 H |
|---------------------|--------|

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|----------------|---------|
| Lamp mode: Low | 10000 H |
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Filter cleaning / replacement cycle (Max.)

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

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| Screen size | 65"-110" (measured diagonally) |
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Light output *1

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|-----------------|---------|
| Lamp mode: High | 3300 lm |
|-----------------|---------|

| | |
|------------------------|---------|
| Lamp mode: Standard | 2300 lm |
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|----------------|---------|
| 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

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|---|--------|
| Contrast ratio (full white / full black) *2 | 3000:1 |
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Speaker

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| Speaker | 16W (monaural) |
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Displayable scanning frequency

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

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| Computer signal input | Maximum display resolution: 1600 x 1200 dots, fV:60Hz |
| Video signal input | 480/60i, 480/60p, 575/50p, 720/60p, 720/50p, 1080/60i, 1080/50i, 1080/60p, 1080/50p |

Color system

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|--------------|--|
| Color system | NTSC3.58, PAL, SECAM, NTSC4.43, PAL-M, PAL-N, PAL-60 |
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Keystone correction (Max) *4

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| Vertical | +/-5 degrees |
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OSD language

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| 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) |
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INPUT OUTPUT (Computer/Video/Control)

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|---------------|---|
| 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, Audio input connector: HDMI audio support |
| S VIDEO IN | S Video input connector: Mini DIN 4-pin |
| VIDEO IN | Video input connector: Phono jack |
| OUTPUT | MONITOR output connector: Mini D-sub 15 pin female Audio output connector: Stereo mini |
| REMOTE | D-sub 9-pin male/RS232C |
| LAN | RJ-45, 10BASE-T/100BASE-TX |
| USB | Type-A |
| USB | Type-B |
| MICROPHONE IN | Microphone jack: Mini Jack |

Acoustic Noise *5

Lamp mode: Low 28dB

Operating temperature / Operating humidity

Operating temperature / Operating humidity 0°C to 40°C (32°F to 104°F) /20-80% (no condensation)

Storage temperature / Storage humidity

Storage temperature / Storage humidity -10 °C to +60°C (-4°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, 50 Hz / 60 Hz

Power consumption

AC 100 V to 120 V - Lamp mode: High 338 W

AC 220 V to 240 V - Lamp mode: High 324 W

Power Consumption (Standby Mode)

| | |
|-------------------|--|
| AC 100 V to 120 V | 0.5W (when "Standby mode" is set to "Low") |
| AC 220 V to 240 V | 0.5W (when "Standby mode" is set to "Low") |

Power Consumption (Networked Standby Mode)

| | |
|-------------------|---|
| AC 100 V to 120 V | 5.3W(LAN) / 5.9W (optional WLAN module) / 6.1W (ALL Terminals and Networks Connected, when "Standby Mode" is set to "Standard") |
| AC 220 V to 240 V | 5.6W(LAN) / 6.2W (optional WLAN module) / 6.4W (ALL Terminals and Networks Connected, when "Standby Mode" is set to "Standard") |

Wireless Network(s) On/Off Switch

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|-----------------------------------|---|
| Wireless Network(s) On/Off Switch | <ol style="list-style-type: none"> 1) Press the MENU button, then select [Connection/Power] 2) [WLAN Settings] 3) [WLAN Connection] 4) Select On or Off |
|-----------------------------------|---|

Heat dissipation

1153 BTU

AC 100 V to 120 V

AC 220 V to 240 V 1105 BTU

Dimensions

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| Dimensions (W x H x D)(without protrusions) | Approx. 372×138×382mm (14 21/32 x 5 7/16 x 15 1/32 inches) |
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Mass

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| Mass | Approx. 6.2kg (14 lb) |
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Supplied accessories

| | |
|----------------------|--|
| Supplied accessories | <p>Remote commander: RM-PJ8 Size Battery: CR2025 AC power cord Operating Instructions (CD-ROM) Quick Reference Manual Safety Regulation Warranty card flyers (Warning) flyers (WEEE) flyers (EU Battery direction) Application Software (CD-ROM): PJS for Net. Presen x1, IPU2 x1 Interactive Pen (W/Batteries AAA): IFU-PN250A (x1), IFU-PN250B (x1) USB cable 5m</p> |
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Optional Accessories

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| Optional Accessories | Optional Lamp: LMP-E220 Ceiling Mount: PSS-645 Other Accessories: IFU-WLM3 (WLAN module) |
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Notes

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| *1 | The values are estimate. |
| *2 | This value is average with lamp dimming. |
| *3 | The figures are approximate. They vary depending on the environment or how the projector is used. Jigyobu cannot guarantee them. |
| *4 | The picture quality may deteriorate when the V Keystone function is used for it is an electrical correction. |
| *5 | The figures are approximate. They vary depending on the environment or how the projector is used. |
| 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

