

VPL-SW636C

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 enhanced interactivity functions and low ownership costs.

The VPL-SW636C 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. 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. 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, vibrant 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.

PC-free interactivity

Up to two people can sketch, draw, write and annotate on-screen presentations with no need for a connected computer. Now with richer drawing functions and Auto Pen Speed for even smoother drawing.

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

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|--------------------------------|--|
| 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

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

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

| | |
|--------------|---------------|
| 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 - Fix | 0.81V |
|------------------|-------|

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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 |
|---------|-----------|

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.)

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|--|--|
| 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) *2 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:
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

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

Keystone correction (Max) *4

Vertical +4/-1 degrees

OSD language

27-language (English, French,
German, Italian, Spanish,
Portuguese, Japanese,

| | |
|--------------|---|
| OSD language | 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)

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|---------|---|
| INPUT A | RGB / Y PB PR input connector: Mini D-sub 15 pin female Audio input connector: Stereo mini jack |
|---------|---|

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|---------|--|
| INPUT B | RGB input connector: Mini D-sub 15 pin female Audio input connector: Stereo mini jack |
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|---------|---|
| INPUT C | HDMI input connector: HDMI 19-pin, HDCP support, Audio input connector: HDMI audio support |
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|------------|---|
| S VIDEO IN | S Video input connector: Mini DIN 4-pin |
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|----------|-----------------------------------|
| VIDEO IN | Video input connector: Phono jack |
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|--------|--|
| OUTPUT | MONITOR output connector: Mini D-sub 15 pin female |
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|---------------|-------------------------------------|
| OUTPUT | 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

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|----------------|------|
| Lamp mode: Low | 28dB |
|----------------|------|

Operating temperature / Operating humidity

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

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|--|--|
| Storage temperature / Storage humidity | -10 °C to +60°C (-4°F to +140°F) /20% to 80% (no condensation) |
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Power requirements

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| Power requirements | AC 100 V to 240 V, 3.5 A to 1.6 A, 50 Hz / 60 Hz |
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Power consumption

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| AC 100 V to 120 V - Lamp mode: High | 341 W |
|--|-------|

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|--|-------|
| AC 220 V to 240 V - Lamp mode: High | 328 W |
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Power Consumption (Standby Mode)

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|-------------------|--|
| 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") |
|-------------------|---|

Standby Mode / Networked Standby Mode Activated

| | |
|---|--------------------|
| Standby Mode / Networked Standby Mode Activated | Approx. 10 Minutes |
|---|--------------------|

Wireless Network(s) On/Off Switch

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|--------------------------------------|---|
| Wireless Network(s) On/Off Switch | Press the MENU button, then select [Connection/Power] 2) [WLAN Settings] 3) [WLAN Connection] 4) Select On or Off |
|--------------------------------------|---|

Heat dissipation

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|-------------------|----------|
| AC 100 V to 120 V | 1163 BTU |
| AC 220 V to 240 V | 1119 BTU |

Dimensions (W x H x D)

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

Mass

Mass Approx. 6.3 kg (14 lb)

Supplied accessories

Supplied accessories Remote commander: RM-PJ8
 Size Battery
 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

Optional Accessories

Optional Lamp: LMP-E220

Optional Accessories Ceiling Mount: PSS-645
 Other Accessories: IFU-WLM3
 (WLAN module)

Notes

*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 Lamp in this product contains
 mercury. Disposal of these
 materials may be regulated due to
 environmental considerations. For

for customers in the
USA

disposal or recycling information,
please contact your local
authorities or see
www.sony.com/mercury for
additional information.

Gallery

