

# VPL-SW536 and VPL-SW535C\* Projectors

WXGA resolution ultra  
short throw projectors  
with 3100/3000  
colour brightness



## Key Features

### Dual Pen Interactivity (VPL-SW535C only)

Provided interactive software and dual pens allow teachers and students to create, present, interact, playback and save work with most presentation files and 3rd party interactive software.

### ECO Lamp Dimming

These projectors (if this function is selected) can reduce power consumption and brightness by 10-15%. After a user pre-set time, the brightness and power consumption will reduce to 30% power usage, with instant 100% brightness returning as soon as a new signal input is detected.

### ECO Picture Mute - (Instant Off/Instant On)

The new ECO Picture Mute feature reduces power consumption down to 30%, saving cost and lamp hours. This feature can be used in the classroom as instant off/instant on in-between class changes. There is no need to power completely off and turn back on, which is time consuming.

Designed for education, the VPL-SW536 and VPL-SW535C projectors are the perfect teaching tools for glare-less projection in changing light conditions. The VPL-SW535C comes with dual pen (teacher – student) interactivity and multiple media connectivity to make them more appealing to teachers wishing to engage with their students.

Both projectors deliver a 0.27 - 0.29:1 throw ratio that produces a 2.03M (80") diagonal screen size image from only 0.47 - 0.49 metres (approx. 1.54 - 1.61 feet) away from the screen creating a shadow-less image. They have been designed to be easy to operate and to deliver a low total cost of ownership. They are the ideal choice for ultra close projection applications in educational markets.

Furthermore, in common with all Sony projectors, the VPL-SW536 and VPL-SW535C both feature the Sony BrightEra 3LCD inorganic panel technology that delivers higher picture quality, substantially brighter images, higher efficiency, better contrast, consistent colour stability and longer durability and usability.

### Maximum 3100/3000 colour brightness with High, Standard and Low modes

Both models feature three brightness modes for different uses – High for naturally white presentations in bright rooms (3100/3000 colour brightness), Standard for everyday use (2400 colour brightness) and Low for video in darkened rooms (2000 colour brightness).

### Lens Shift Function

The projectors are equipped with horizontal and vertical lens shift functions for greater installation flexibility. Using this function, the position of the projected image can be moved vertically +/- 4% and horizontally +/- 2%.

\* VPL-SW535C - Dual pen interactivity

## Other features

### 0.27 - 0.29:1 Throw Ratio

These projectors offer a 0.27 - 0.29:1 throw ratio that produces a 2.03M (80") diagonal screen size image from only 0.47 - 0.49 metres (approx. 1.54 - 1.61 feet) away from the screen.

### ECO Mode Key

Users can easily select power-saving ECO Modes. The most energy-efficient mode is accessible through a single button-push, with further adjustments available through an easily understood menu system.

### Filter replaced at the same time as Lamp

The filter only needs to be cleaned when a new lamp is fitted, potentially halving disruption due to maintenance.

### 6000 Hours Lamp Life

A new driving scheme reduces gap expansion which minimises brightness gradation. A new cooling system allows uniformity in the temperature of the glass bulb which prevents the glass from clouding.

### Vertical Keystone Adjustment

The projectors can correct keystone distortion by +/- 5% for perfect installation adjustment to the smart board or screen. (Note that since this is an electronic correction, it will reduce the picture quality slightly.)

### Digital Zoom

With Digital Zoom, users can enlarge a selected area of a computer-sourced image on the screen up to four times.

### Six Picture Modes

The VPL-SW536 and VPL-SW535C have six available picture modes for correct picture quality; Dynamic, Standard, Game, Blackboard, Cinema and Presentation. With six picture modes and 3 brightness modes combined, users can select the most suitable picture/brightness mode according to the picture source and environment for the perfect image.

### 3LCD BrightEra Technology

The Sony 0.75 inch BrightEra inorganic TFT 3LCD panels deliver improved panel light resistance, higher resolution, high brightness and increased panel reliability.

### Digital / HD Ready

With the HDMI input, the projectors can accept digital signals from a PC or video source.

### Smart APA (Auto Pixel Alignment)

When a computer is used as a picture source, APA automatically optimises 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.

### Picture Muting / Audio Muting

If there is a need to blackout the image or turn off the audio from the projector, all it takes is a single button-press on the remote control. One button will mute audio and image at the same time. There is also a separate "mute audio" button for audio-only muting.

### 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 where users need to look at other material on their PC's screen without the viewing audience being aware. Freeze the current image and users can use their PC independently of the display from the projector.

### Off and Go

At the end of a presentation, users 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 supplied.

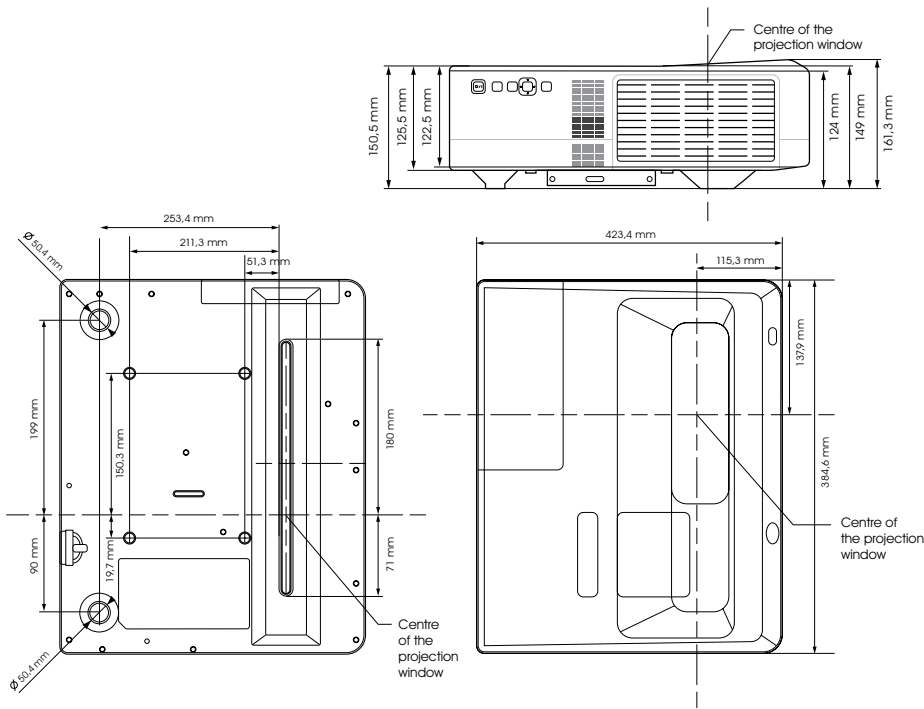
### Built-in Security Measures

The projectors have a package of security measures, including password protection and physical anti-theft anchor points.

### Web Control and Monitoring / E-mail Report

Built-in Web Browser IE allows the user or AV manager to check a projector status remotely. Power ON/STANDBY, input/output, lamp usage (hours) can be controlled. An E-mail address can also be set to notify lamp exchange/replacement or any unexpected problems.

## Dimensions



## Connector Panels



VPL-SW536



VPL-SW535C

## Optional Accessories



**LMP-E212**  
Projector Lamp (for replacement)



**IFU-PN100M**  
Master Pen

**IFU-PN100S**  
Sub Pen



**IFU-WLM3**  
USB Wireless Module

## PrimeSupport

All Sony Professional's business projectors sold into the EU, Norway and Switzerland come supplied with a PrimeSupport pack. This offers unique services and benefits over and above standard warranty:-

### 3 Year Projector and 3 Year Lamp / 3000 Hour PrimeSupport Cover

Freephone telephone helpdesk support (00800 7898 7898) in 5 languages. Collection, repair and return anywhere in EU, Norway and Switzerland.

In addition, optional PrimeSupport Plus packs can be purchased which can further enhance the 3 year support to give extra peace of mind:-

- A 2 year extension of the standard 3 year PrimeSupport to give long-term assurance of expert support, technical assistance and repairs for 5 years from purchase date.
- Provision of a loan unit for 3 or 5 years cover to ensure minimal impact to the customer's business in case of product failure.

Prime  
Support

Prime  
Support Plus

## Specifications

|  |                       | VPL-SW536   | VPL-SW535C   |
|--|-----------------------|---|--|
| EAN Codes                                  |                       | 4905524909333   | 4905524909333  |
| Display device                             | Display area          | 0.75" (15.0 mm) x 3, BrightEra, Aspect ratio: 16:10   |  |
|  | Number of pixels      | 3,072,000 (1280 x 800 x 3) pixels   |  |
| Projection lens                            | Throw Ratio           | 0.27 – 0.29:1   |  |
|  | Optical Zoom          | Manual  |  |
|  | Optical Zoom Ratio    | X1.05   |  |
|  | Digital Zoom Ratio    | X4  |  |
|  | Focus                 | Manual  |  |
|  | Lens Shift            | Manual V: +/- 4% H: +/- 2%  |  |
| Light source                               |                       | Ultra High Pressure lamp 210 W type   |  |
| Recommended lamp replacement time*1        |                       | 3000 H / 4500H / 6000H<br>(Lamp mode : High / Standard / Low)   |  |
| Filter cleaning cycle*1                    |                       | Max. 6000 H / Same time as the lamp replacement is recommended  |  |
| Colour Light and White Light output        |                       | 3100lm / 2400lm / 2000lm<br>(Lamp mode : High / Standard / Low)   | 3000 lm / 2400 lm / 2000 lm<br>(Lamp mode : High / Standard / Low) |
| Computer and video signal input/output     | INPUT A               | RGB / Y PB PR input connector: Mini D-sub-15 pin (female)<br>Audio input connector: Stereo mini jack  |  |
|  | INPUT B               | RGB input connector:<br>Mini D-sub 15-pin (female),<br>Audio input connector:<br>Stereo mini jack   | HDMI (HDCP compatible)<br>(Digital RGB/Y Pb Pr<br>Digital Audio)   |
|  | INPUT C               | HDMI (HDCP compatible)<br>(Digital RGB/Y Pb Pr<br>Digital Audio)  | -  |
|  | VIDEO IN              | Video input connector: Pin jack<br>Audio input connector: Pin jack (x2) (shared with S VIDEO IN)  |  |
|  | S VIDEO IN            | S video input connector: Mini DIN-4 pin<br>Audio input connector: Pin jack (x2) (shared with VIDEO IN)  |  |
|  | OUTPUT                | Monitor output connector*3: Mini D-sub-15 pin (female)<br>Audio output connector*4: Stereo mini jack (variable out)<br>Output From Input A (RGB) and Input B (HDMI)   |  |
|  | USB                   | Type A, Type B  | Type B - Interactivity   |
|  | Wireless              | Optional  |  |
|  | Microphone            | YES (mini jack)   |  |
|  | Control               | RS-232C connector: D-sub 9-pin (male)<br>LAN connector: RJ45, 10BASE-T/100BASE-TX   |  |
| Screen size (approx.)                      |                       | 70" to 130"   |  |
| Speaker                                    |                       | 16W x1 (monaural)   | 10W x 1 (monaural)   |
| Displayable scanning frequency             | Horizontal            | 14 kHz to 93 kHz  |  |
|  | Vertical              | 47 Hz to 93 Hz  |  |
| Display resolution                         | Computer signal input | Maximum input signal resolution: 1600 x 1200 (UXGA) 1v:60Hz<br>Panel display resolution: 1280 x 800 pixels  |  |
|  | Video signal input    | Video (Composite), 15K (480/60i, 576/50i), DTV (480/60p, 575/50p, 720/60p, 720/50p, 1080/60i, 1080/50i)   |  |
| Colour System                              |                       | Auto / NTSC3.58, PAL, SECAM, NTSC4.43, PAL-M, PAL-N   |  |
| Colour system resolution                   |                       | 750 TV lines  |  |
| Keystone correction                        |                       | Vertical: Max. +/- 5 degrees  |  |
| OSD language                               |                       | 22-languages (English, Dutch, French, Italian, German, Spanish, Portuguese, Turkish, Polish, Russian, Swedish, Norwegian, Finnish, Hungarian, Japanese, Simplified Chinese, Traditional Chinese, Korean, Thai, Vietnamese, Arabic, Persian) |  |
| Contrast ratio (full white/full black)*2   |                       | 2500:1  |  |
| Acoustic noise                             |                       | 35 dB / 32 dB / 28dB (Lamp mode: High / Standard / Low)   |  |
| Operating temperature (Operating humidity) |                       | 0°C to 40°C / 32°F to 104°F<br>(35% to 85% (no condensation))   |  |
| Storage temperature (Storage humidity)     |                       | -20°C to 60°C / -4°F to 120°F<br>(10% to 90% (no condensation))   |  |

|  |                              | VPL-SW536   | VPL-SW535C  |
|--|------------------------------|---|---|
| Power requirement                          |                              | AC 100 V to 240 V, 3.6-1.4A, 50 Hz /60 Hz   |   |
| Power consumption                          | AC 100 V to 120 V            | 291W / 258W / 229W  | 290W / 260W / 230W  |
|  | AC 220 V to 240 V            | 282W / 249W / 221W  | 280W / 250W / 220W  |
| Standby mode power consumption             | AC 100 V to 120 V            | 5.7W / 0.5W<br>(Standby mode: Standard / Low)   | 7.5W / 0.2 W<br>(Standby mode: Standard / Low)                                |
|  | AC 220 V to 240 V            | 5.9W / 0.3W<br>(Standby mode: Standard / Low)   | 7.5W / 0.3 W<br>(Standby mode: Standard / Low)                                |
| Heat dissipation                           | AC 100 V to 120 V            | 993 BTU   | 989 BTU   |
|  | AC 220 V to 240 V            | 962 BTU   | 955 BTU   |
| Safety Regulations                         |                              | UL FCC cUL IC(LVD) EE(EMC) C-Tick CCC CB<br>KC GOST-R SASO KUCAS PSB SABS NOM   |   |
| Body Colour                                |                              | White   |   |
| Standard outside dimensions                |                              | W 384.4 x H 122.5 x D 423.4 mm / W 15 1/8" x H 4 13/16" x D 16 21/32 in (without protrusion)  |   |
| Mass (Approx.)                             |                              | 6.9kg / 15lb 3 oz<br>(without wall mount)   | 7.1kg / 15lb 10oz<br>(without wall mount)                                     |
| Supplied Accessories                       |                              | RM-PJ7 Remote Commander (1)<br>Lithium battery: CR2025 (1)<br>Wall Mount & Manual<br>Operating Instructions: WW: CD-ROM(1) Software License (Paper)<br>Quick Reference Manual (1)<br>AC Power Cord (1)<br>PrimeSupport Warranty Pack (1) Outside of box<br>Interactive Application CD ROM |   |
| Documentations                             |                              | Safety warning, WEEE, EU Battery info, Service  |   |
| Battery: Remote commander of the projector | Category                     | Battery Lithium   |   |
|  | Type                         | CR2025  |   |
|  | Weight of single battery (g) | Approx. 2.3g  |   |
|  | Number of batteries          | 1   |   |
| Optional Accessories                       |                              | Projector Lamp: LMP-E212<br>IFU-WLM3 - USB Wireless Module  | Projector Lamp: LMP-E212<br>IFU-PN100M, Master Pen<br>IFU-PN100S, 2nd Sub Pen |

### VPL-SW535C only. Hardware minimum requirements

|                      |   |   |
|----------------------|---|---|
| OS                   | Windows XP SP2 or later (Home / Professional Edition)*5<br>Windows Vista non-SP or later (Home Basic / Home Premium / Business / Ultimate / Enterprise)*5<br>Windows 7 (Home Basic / Home Premium / Professional / Ultimate / Enterprise)*5 | Mac OS X 10.3.7 or later<br>Mac OS X 10.4.x<br>Mac OS X 10.5.x<br>Mac OS X 10.6.x |
| CPU                  | Pentium III 1.0GHz or faster  | Power PC G4 1.25GHz or faster<br>Recommended: Intel Core Duo 1.6GHz or faster     |
| Amount of Memory     | 512MB or more   | 256MB or more   |
| Hard Disk Free Space | 100MB or more   |   |
| Display              | Resolution greater than SVGA (800x600)  |   |

Sony cannot test all 3rd party software available in the market. Sony is not responsible for non-compatibility of any 3rd party software.

\*1: The figures are expected maintenance time and not guaranteed. They will depend on the environment or how the projector is used.

\*2: The value is average.

\*3: Not available in standby.

\*4: Works as audio switcher function. From current channel only. Not available in standby.

\*5: 1 only 32bit edition.

\*6: 32bit edition and 64bit edition.

For full features visit [www.pro.sony.eu/projectors](http://www.pro.sony.eu/projectors)

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