

VPL-CW256

4,500 lumens WXGA installation projector



Overview

Bright, high resolution images, with simple set-up and low running costs for schools or meeting rooms The VPL-CW256 offers installation flexibility, energy efficiency with a low total cost of ownership, and high image quality, while boasting a stylish design that blends into any decor.

Image correction features and a lens shift/zoom capability enable users to easily fit any image onto the screen, even from an offset projection angle.

In addition, these installation projectors are thoughtfully designed for optimum energy efficiency with a reduced total cost of ownership. They feature an auto power saving function, picture muting function with lamp control technology, long-lasting lamp, and low power consumption.

Every model delivers high image quality. The VPL-CW256 offers 4,500 lumens* brightness and supports wide screen projection with WXGA resolution.

With all the features and functionality that you expect from Sony – particularly easy installation and usability, energy efficiency and low maintenance, and dependable image quality – the VPL-CW256 is ideal for mid- to large-size classrooms, conference rooms, and many similar environments.

* ISO 21118

Features

- **Bright, clear images with maximum 4,500 lumens colour light output**

The projector's high light output ensures that presentations are seen clearly in any classroom or meeting room. Choose from three brightness modes to suit any environment – High for naturally white presentations in bright rooms, Standard for everyday use, and Low for watching video in darkened rooms.

- **1.32:1 to 1.91:1 throw ratio**

The VPL-CW256 offers a 1.32:1 to 1.91:1 throw ratio, allowing installation in most larger classrooms or meeting rooms.

- **High resolution lens**

The high resolution Advanced Crisp Focus (ACF) lens offers a large diameter and fine pitch to ensure clear, sharp pictures.

- **Fine lens shift**

The projector's wide lens shift range means that the projector can be positioned closer to the ceiling, or horizontally offset to avoid ceiling obstacles.

- **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.

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

WXGA (1280 x 800) 16:10 resolution offers lots of crisp, fine detail: perfect for making presentations direct from a laptop or PC.

- **Quieter operation**

Acoustic fan noise is reduced compared with previous models for even quieter operation.

- **Save energy at the touch of a button**

Just push the ECO MODE button on the projector or remote commander to instantly access a range of energy-saving settings.

- **Auto Dimming**

Projector brightness is gradually reduced automatically if there's no input signal, or after a pre-set time – cutting power consumption and saving energy bills. Brightness instantly returns to maximum when an input signal is detected.

- **Power Saving Picture Mute**

Touch a button on the projector remote and the picture's muted instantly. Another touch and the projector's instantly powered back up to resume your presentation.

- **Vertical and Horizontal Keystone Adjustment**

Keystone distortion of vertically up to +/- 30 degrees and horizontally up to +/- 20 degrees can be digitally corrected via the on-screen menu and/or remote commander. This allows images to be projected with their correct geometry, even when installation space is limited.

- **Advanced Geometric Correction**

Each image corner and side can be grabbed and adjusted for a true, square fit - invaluable when projecting from an offset position.

- **Smart APA (Auto Pixel Alignment)**

Phase, Pitch and Shift values are automatically optimised when using the projector with a PC source. These values can also be adjusted manually.

- **Auto Input Search**

The projector automatically switches to the correct input, simplifying set-up and saving time.

- **Audio switcher facility**

The projector can select between two audio sources, routing them via a variable audio output to the room amplification system.

- **Picture Freeze Function**

Picture Freeze is useful if you need to look at other material on your PC's screen during presentations without the audience seeing it. Freeze the current image that's being projected, and use your PC independently from the projector display.

- **Get closer with Digital Zoom**

Instantly magnify a selected portion of the screen by up to 4x for a really close-up view of images from a connected PC.

- **Off and Go**

Touch a button at the end of your presentation and projector is turned off immediately, without going through a lengthy power-down cycle.

- **Direct Power On/Off**

There's no need to go through Standby mode when powering up the projector: the projector activates as soon as power is supplied.

- **Security that's built in**

Your investment's protected with security measures including password protection and physical anti-theft anchor points.

Technical Specifications

Display System		
Display System	3 LCD system	

Display device		
Size of effective display area	0.75" (19.1 mm) x 3, BrightEra, 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. 1.45 x	
Throw Ratio	1.32:1 to 1.91:1	
Lens shift - Powered/Manual	Manual	
Lens shift - Range Vertical	+/- 5%	
Lens shift - Range Horizontal	+/- 3%	

Light source		
Type	Ultra high pressure mercury lamp	
Wattage	245 W type	

Recommended lamp replacement time *1		
Lamp mode: High	3000 H	
Lamp mode: Standard	4000 H	
Lamp mode: Low	5000 H	

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

Screen size		
Screen size	40" to 300" (1.02 m to 7.62 m) (measured diagonally)	

Light output		
Lamp mode: High	4500 lm	
Lamp mode: Standard	3400 lm	
Lamp mode: Low	2500 lm	

Color light output		
Lamp mode: High	4500 lm	
Lamp mode: Standard	3400 lm	
Lamp mode: Low	2500 lm	

Contrast ratio (full white / full black) *2	
● Contrast ratio (full white / full black)	3700:1
Speaker	
● Speaker	10 W x 1 (monaural)
Displayable scanning frequency	
● Horizontal	19 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	NTSC, PAL, SECAM, 480/60i, 576/50i, 480/60p, 576/50p, 720/60p, 720/50p, 1080/60i, 1080/50i
Color system	
● Color system	NTSC3.58, PAL, SECAM, NTSC4.43, PAL-M, PAL-N, PAL60
Keystone correction (Max.)	
● Vertical	+/- 30°
● Horizontal	+/- 20°
OSD language	
● OSD language	24-language (English, French, German, Italian, Spanish, Portuguese, Japanese, Simplified Chinese, Traditional Chinese, Korean, Russian, Dutch, Norwegian, Swedish, Thai, Arabic, Turkish, Polish, Vietnamese, Farsi, Indonesian, Finnish, 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
● INPUT D	HDMI input connector: HDMI 19-pin, HDCP support
● VIDEO IN	Video input connector: Pin jack Audio input connector: Pin jack (x2)
● OUTPUT	Monitor output connector*4: Mini D-sub 15-pin (female) Audio output connector*5: Stereo mini jack (variable out)
● REMOTE	D-sub 9-pin (male)/RS232C
● LAN	RJ-45, 10BASE-T/100BASE-TX
Acoustic noise	
● Lamp mode: Low	29 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 3.5 A to 1.5 A, 50/60 Hz

Power consumption	
● AC 100 V to 120 V	Lamp mode: High : 346 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	3.0 W (LAN) (when "Standby Mode" is set to "Standard")
● AC 220 V to 240 V	3.0 W (LAN) (when "Standby Mode" is set to "Standard")
Standby Mode / Networked Standby Mode Activated	
● Standby Mode / Networked Standby Mode Activated	After about 10 minutes
Heat dissipation	
● AC 100 V to 120 V	1180 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. 406 × 113 × 330.5 mm (15 31/32 × 4 7/16 × 13 inches)
Mass	
● Mass	Approx. 5.6 kg (12 lb)
Supplied accessories	
● Remote commander	RM-PJ8
Optional Accessories	
● Replacement lamp	LMP-C240
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