

VPL-CW275

5,000 lumens WXGA Basic Installation projector



Overview

The VPL-CW275 is budget conscious and feature rich. The VPL-CW275 offers a 5100lm brightness and 1.32:1 to 1.91:1 throw ratio for new or WXGA replacement business. This projector has been designed to be easy to operate and to deliver a low total cost of ownership.

Furthermore, in common with all Sony projectors, the VPL-CW275 features Sony's 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.

The VPL-CW275 also features Sony's only 3 brightness modes (High 5,100, Standard 4200, Auto Lamp Mode) to suit each individual user's needs. The Auto lamp mode adjusts brightness depending on the image projected, lowering operating costs by reducing power consumption and extending the recommended lamp replacement time to approximately 4000 hours. This projector also has a contrast ratio of 3000:1, video inputs, HDMI and RJ45 or RS232C connectors for control

Features

- **Maximum 5100 lumens brightness with High, Standard and Auto modes**

The VPL-CW275 features three brightness modes for your different uses – High for naturally white presentations in bright rooms, Standard for everyday use, and Auto Lamp Mode multiple image projections

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

The VPL-CW275 offers a 1.32:1 to 1.91:1 throw ratio that can accommodate most large classrooms or large meeting room's current replacement installation.

- **Lens Shift Range: Vertical: +/- 5%, Horizontal: +/- 3%**

The VPL-CW275's lens shift range adjustment means that the projector can be positioned picture perfect and horizontally offset to avoid any minor ceiling obstacles.

- **3-LCD BrightEra Technology**

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

- **WXGA Widescreen Resolution**

The VPL-CW275 has a colour light output of 5100 ANSI lumens and with a native WXGA (1280 x 800) 16:10 screen resolution panel is perfect for presentations direct from video, laptop or PC.

- **4000 hours recommended lamp replacement time**

New driving scheme reduces gap expansion that reduces brightness gradation and a new cooling system allows uniformity in the temperature of the glass bulb which prevents the glass from clouding.

- **ECO Mode Key**

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

- **Lamp Dimming**

This projector (if function is on) can reduce power consumption and brightness by 10~15% without user detection during a input image. After a user pre-set time, the brightness and power consumption will reduce to 30% power usage. Instant 100% brightness return with a new signal input to the projector.

- **Picture Mute - (Instant off / Instant On)**

New Picture Mute reduces power consumption down to 30% power usage, saving cost and lamp hours. This feature can be used in the education market as instant off / instant on in-between class changes or in the corporate market as a tool to redirect attention away from the screen and power reduction.

- **Vertical and Horizontal Keystone Adjustment**

The projector can correct keystone distortion by V: +/- 30% H: +/- 20% for perfect installation adjustment. (Note that since this is an electronic correction, it will reduce the picture quality slightly).

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

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

- **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 if you need to look at other material on your PC's screen without the viewing audience being aware. Freeze the current image, and you can use your PC independently of the display from the projector.

- **Digital Zoom**

With Digital Zoom, if you are displaying a computer-sourced image, you can enlarge a selected area of the screen image up to four times.

- **Off and Go**

At the end of a presentation, you 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 applied.

- **Filter replaced at the same time as lamp**

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

- **Multiple Picture Modes**

The VPL-CW275 has six picture modes (Dynamic, Standard, Game, Living, Cinema and Presentation) that can be selected to suite the nature of the source material.

- **Built-in security measures**

The VPL-CW275 has a package of security measures, including password protection, and physical anti-theft anchor points.

Technical Specifications

Specifications	
● Display system	3 LCD system
Display device	
● Size of effective display area	0.75" (19.0 mm) x 3, BrightEra, Aspect ratio: 16:10
● Number of pixels	3,072,000 (1280 x 800 x 3) pixels
Projection lens	
● Zoom	X1.5
● Focus	Manual
● Digital Zoom	X4
● Lens Shift	Manual V: +/- 5% H: +/- 3%
● Light source	High-pressure mercury lamp 280 W type
● Recommended lamp replacement time*1	3000 H / 4000 H (Lamp mode: High / Standard)
● Filter cleaning cycle	Max. 4000 H / Same time as the lamp replacement is recommended
● Screen size	40" to 300" (1.02 m to 7.62 m)
● Light output (Lamp mode: High / Standard / Low)	5100 lm / 4200 lm / Auto
● Color light output	5100 lm / 4200 lm / Auto
● Contrast ratio (full white / full black)*3	3000:1
● 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 input signal resolution: UXGA 1600 x 1200 (resizing display), Panel display resolution: 1280 x 800 pixels
● Video signal input	NTSC3.58, PAL, SECAM, 480/60i, 576/50i, 480/60p, 576/50p, 720/60p, 720/50p, 1080/60i, 1080/50i
● Color system	Auto / NTSC3.58, PAL, SECAM, NTSC4.43, PAL-M, PAL-N, PAL60
● Color System Resolution	720 TV Lines
● Keystone correction	Vertical: Max. +/- 30 degrees Horizontal: Max. +/- 20% degrees
● OSD language	23-languages (English, Dutch, French, Italian, German, Spanish, Portuguese, Turkish, Polish, Russian, Swedish, Norwegian, Japanese, Simplified Chinese, Traditional Chinese, Korean, Thai, Vietnamese, Arabic, Persian Indonesian, Finnish & Hungarian)
Computer and video signal input/output	

● 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 19-pin, HDCP support. Audio input: HDMI audio support
● S VIDEO IN	S video input connector: Mini DIN 4-pin, Audio input connector: RCA x2 (Shared with Video In)
● VIDEO IN	Video input connector: Pin jack, Audio input connector: RCA x2 (Shared with S-Video)
● OUTPUT	Monitor output connector*5: Mini D-sub 15-pin (female), Audio output connector*6: Stereo mini jack (variable out)
● Other signal input/output	RS-232C connector: D-sub 9-pin (female) LAN connector: RJ45, 10BASE-T/100BASE-TX
● Operating temperature (Operating humidity)	0°C to 40°C / 32°F to 104°F (35% to 85% (no condensation))
● Storage temperature (Storage humidity)	-10°C to 60°C / -4°F to 140°F (10% to 90%)
● Power requirements	AC 100 V to 240 V, 1.4A to 3.6 A 50 Hz /60 Hz

Power consumption	
● AC 100 V to 120 V	397W / 345W
● AC 220 V to 240 V	373W / 323W

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	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/Network Standby Mode Activated	After about 10 minutes

Heat dissipation	
● AC 100 V to 120 V	1,352 BTU
● AC 220 V to 240 V	1,273 BTU
● Standard outside dimensions	W 406 x H 122.3 x D 330.5 mm / W 15 31/32 x H 4 13/16 x D 13 in W 406 x H 113 x D 330.5 mm / W 15 31/32 x H 4 4/16 x D 13 in (without protrusion)
● Mass	5.6kg / 12lb 6oz

Supplied Accessories	
● RM-PJ7	Remote Commander RM-PJ7 (1)
● CR2025	Lithium Battery (1)
●	AC Power Cord
●	Mini D-sub 15-pin cable (1)
●	Lens Cap (1)
●	Operating Instructions (1) EU Battery Info, Warranty Documentation
●	Quick Reference Manual (1)

Optional Accessories

● LMP-C280

Projector Lamp