SONY

VPL-CW276

5,100 lumens WXGA installation projector



Overview

Extremely bright, high resolution images, with simple set-up and low running costs for schools or meeting rooms

The VPL-CW276 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-CW276 offers 5,200 lumens* brightness and provides high image quality 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-CW276 is ideal for mid- to large-size classrooms, conference rooms, and many similar environments.

* ISO 21118

Features

Bright, clear images with maximum 5,100 lumens color 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 Auto Mode that adjusts lamp brightness for optimum efficiency and picture quality according to the image being projected.

1.32: 1 to 1.91:1 throw ratio
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 optimized 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.

Specifications

Display System	
Display System	3 LCD system

Display device	
Size of effective display area	0.75" (19 mm) x 3 BrightEra LCD Panel, 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	280 W type

Recommended lamp replacement time *1	
Lamp mode: High	3000 H
Lamp mode: Standard	4000 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	5200 lm
Lamp mode: Standard	4200 lm

Color light output	
Lamp mode: High	5200 lm
Lamp mode: Standard	4200 lm

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

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-sub9pin (male)/RS232C
LAN	RJ-45, 10BASE-T/100BASE-TX

Acoustic noise	
Lamp mode: Standard	34 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 4.0 A to 1.7 A, 50/60 Hz

Power consumption	
AC 100 V to 120 V	Lamp mode: High : 395 W
AC 220 V to 240 V	Lamp mode: High : 372 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	1348 BTU/h
AC 220 V to 240 V	1269 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. 5.7 kg (13 lb)

Supplied accessories	
Remote commander	RM-PJ8

Optional Accessories	
Replacement lamp	LMP-C280

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
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















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