SONY

VPL-CW255

4,500 lumens WXGA Basic Installation projector



Overview

Feature-rich widescreen projector for budget conscious users

The VPL-CW255 offers superior WXGA 16:10 widescreen resolution and environmentally-friendly features for a low total cost of ownership. The VPL-CW255 incorporates 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.

MAXIMUM 4,500 LUMENS BRIGHTNESS

The VPL-CW255 features three brightness modes to suit individual user's needs – 4,500, 3,400 and 2,500 lumens. The low brightness mode generates lower operating costs by reducing power consumption and extending the recommended lamp replacement time to approximately 5,000 hours. The projector also has a contrast ratio of 3700:1, a range of video inputs, including HDMI, and RJ45 or RS-232C connectors for control.

Features

Maximum 4,500 lumens brightness with High, Standard and Low modes
The VPL-CW255 features three brightness modes for different uses – High 4,500 lumens for naturally white presentations in bright rooms, Standard 3,400 lumens for everyday use, and Low 2,500 lumens for video in darkened rooms.

1.32 - 1.91:1 throw ratio
The VPL-CW255 offers a 1.32 ~ 1.91:1 throw ratio that can accommodate most large classrooms or large meeting rooms.

3 LCDBrightEra™ technology
Sony's 0.75-inch BrightEra™ inorganic TFT 3 LCD panels deliver improved panel light resistance, higher resolution, high brightness and increased panel reliability.

WXGA 16:10 widescreen resolution

The VPL-CW255 has a native WXGA (1280 x 800) 16:10 screen resolution panel that is perfect for presentations direct from video, laptop or PC.

5,000 hours recommended lamp replacement time
Extended lamp replacement time is possible with a new driving scheme that reduces gap expansion and brightness gradation, plus a new cooling system that allows uniformity in the temperature of the glass bulb and prevents it from clouding.

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

Lamp Dimming
With Lamp Dimming, the projector can reduce power consumption and brightness by 10-15% without user detection. After a pre-set time assigned by the user, the brightness and power consumption will reduce to 30% power usage. Instant 100% brightness returns with a new signal input to the projector.

Picture Mute
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 an instant off / on between class changes, or in the corporate market as a tool to redirect attention away from the screen and reduce power.

Vertical and horizontal keystone adjustment
The projector can correct keystone distortion by V: +/- 30% H: +/- 20% for perfect installation adjustment.(Note: 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 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.

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.

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 cleaning at the same time as lamp replacement
The filter only needs to be cleaned when a new lamp is fitted, potentially halving disruption due to maintenance.

Multiple Picture modes
The VPL-CW255 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-CW255 has a package of security measures, including password protection, and physical anti-theft anchor points.

Specifications

Display

Brightness - Modes High / Standard / Low	4500 / 3400 / 2500
Contrast	3 700:1
Native resolution	WXGA (1280x800)
Panel size	0,75" BrightEra panels
Technology	3 x LCD

Optical

Autofocus	No
Keystone correction	V: +/- 30°, H: +/- 20°
Lens Shift	V: +5%, H: +/-3%
Optical Zoom	x1.5 (manual)
Screen size (diagonal)	40" to 300" (1.02m to 7.62m)
Throw ratio	1.32:1 to 1.91:1

Inputs

3D Sync	-
5 BNC	1
Components	1
Composite	1
DVI-D	1
Ethernet RJ45	Yes
HDMI	1
RS232C / CTRL S	1 / 1
Sub-D15	1
S-Video	1
USB File Viewer	-
Wireless LAN	-

Outputs

12V trigger	-
Audio Output	1
Direct power	-

Outputs

Monitor out	1
Off and Go	Yes
Speakers	-

Compatibility

Compatibility HDTV / DTV	Yes
Compatibility MAC / PC	Yes

General characteristics

Back adjustable feet	No
Cleaning filter	5000 hours
Recommended lamp replacement time - High / Medium / Low	3000 / 4000 / 5000 hours
Lamp reference	LMP-C240
Lamp type	245W
Speakers	1 x 10W Mono
Power Consumption (Standby Mode) - AC 100 V to 120 V	0.5W (when “Standby mode” is set to “Low”)
Power Consumption (Standby Mode) - 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")
Power Consumption (Networked Standby Mode) - 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	1160 BTU
Heat dissipation - AC 220 V to 240 V	1092 BTU
Dimensions (W x H x D)	Approx. 406 × 113 × 330.5 mm (15 31/32 × 4 7/16 × 13 inches)
Mass	Approx. 5.5 kg (12 lb)

Notes	
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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