

VPL-CX275

5,200 lumens XGA Basic
Installation projector



Overview

Cost effective 5200 lumens 3LCD projector ideal for large classrooms and meeting rooms

The VPL-CX275 provides significantly high 5200lm/XGA projection in a compact 5.5 kg (12lbs 6oz) design. It is equipped with technologies including Bright Era® 3LCD panels, Advanced Crisp Focus lens, and 12-bit gamma correction circuit for a greater visual experience. Not only the picture is brilliant, users can expect to reduce their total operational cost due to long lamp replacement time (up to 4000h) and the intelligent auto lamp dimming function. Versatile inputs include HDMI for digital image and audio input. Additionally, features such as lens shift for fine adjustment, horizontal and vertical keystone correction, and advanced geometric correction helps installers to reduce total time of installation. With the good balance of high brightness, advanced energy saving features, intelligent installation features and affordable cost, the projector is a great fit for demanding large classrooms and meeting rooms where cost is critical.

Superb picture quality

5200 lumens 3LCD projector with 3000:1 contrast ratio, native XGA (1024 x 768) resolution and 1.5x optical zoom lens.

Energy efficient design

Up to 4000h expected lamp replacement time, ECO Mode for savings on energy and synchronised lamp and filter

maintenance timing.

Installation advantages

Vertical and horizontal keystone correction and advanced geometric correction.

Closed captioning

Official teletext broadcasting, developed by the NCI, USA.

Network and control

Controls and monitors projector status Compatible with various control systems.

Features

Brilliant colour performance with high resolution lens

The VPL-C200 Series projectors adopt a 3LCD projection system incorporating three LCD panels. This system enables each projector to present bright and natural images. By combining an advanced generation of inorganic LCD panels that utilise Sony's BrightEra™ technology with a 3LCD projection system, the VPL-C200 Series projectors offer high picture quality and brightness. The VPL-C200 Series projectors incorporate a high-resolution lens known as the Advanced Crisp Focus (ACF) lens. Its large diameter and fine pitch ensure crisp pictures.

12-bit 3D gamma correction and dynamic detail enhancer

The VPL-C200 Series projectors incorporate 12-bit 3D gamma correction circuitry to perform highly accurate gamma correction, achieving smoother gradations and a richer grey scale. The dynamic detail enhancer generates optimised images depending on the type of input signal through the interlace-to-progressive conversion processor.

HDMI interface

The VPL-C200 Series projectors are equipped with a High-

Definition Multimedia Interface™ (HDMI), which is the latest standard for digitally connecting to high-definition (HD) devices.

Vertical/horizontal keystone distortion and advanced geometric correction

With these projectors, keystone distortion of vertically up to +/- 30 degrees and horizontally up to +/- 20 degrees can be digitally corrected via the on-screen operation menu and/or the Remote Commander™ unit. This enables detailed images to be projected with their correct geometry, even when installation space is limited. Advanced geometric correction is useful when an offset projection is necessary. Each corner and side can be grabbed and fit squarely to the desired position.

Convenient, simple projector replacement

The standard 1.5x zoom lens enables installation flexibility when replacing an existing projector with the VPL-C200 Series projectors – there's no need to change ceiling mount positions. The lens shift function allows image position to be easily fine-tuned vertically or horizontally.

“Blend-in” design

The VPL-C200 Series projectors showcase a new low-profile chassis, so these projectors appear to blend into the ceiling or wall on which they are mounted.

Long-lasting lamp and energy saving design

By incorporating a high-performance lamp and advanced lamp-control technology, the VPL-C200 Series projectors deliver an extremely long lamp replacement time of up to 5,000 hours (approximate recommended period, in low mode). The VPL-C200 Series projectors offer remarkably low power consumption, allowing users to help save on their electricity expenses. With a single push of the ECO MODE key on either the projector or the supplied Remote Commander unit, users can select an energy-saving setting from the ECO Mode menu.

Lamp and filter synchronised maintenance

The expected lamp maintenance time for each model can reach up to 5,000 hours* depending on the selected lamp mode, and dust filters require the same maintenance interval. Synchronising the timing of lamp and filter maintenance enables users to reduce the numbers of “ladder climbs” for maintenance.

Auto mode (auto brightness adjustment function) and lamp dimming function

The brightness of the lamp’s output is automatically adjusted depending on the brightness of the projected image, to avoid unnecessary power consumption. When showing darker images that don’t require high brightness, lamp output decreases. The VPL-C200 Series projectors are equipped with a lamp dimming function. After 10 seconds of a static signal feed, the lamp dims by approximately 15%, which is hardly noticeable. If one of these projectors is left powered on while not in use, after a set period of time it will automatically detect no change of signal input and will dim the lamp to as low as approximately 30% of original brightness to significantly reduce energy consumption.

Picture muting

The VPL-C200 Series projectors can temporarily disable video signal output. This function can be easily operated with just the touch of a button on the supplied Remote Commander unit. In addition, this function allows blank image projection with low power consumption using lamp control technology.

Specifications

Generic Specifications	
Display system	3 LCD system
Display device : Size of effective display area	0.79” (20.1 mm)

Display device : Number of pixels	XGA (1024 x 768)
Display device : Aspect ratio	4:3
Projection lens : Focus	Manual
Projection lens : Zoom > Powered / Manual	Manual
Projection lens : Zoom > Ratio	Approx. 1.5 x
Projection lens : Lens shift > Powered / Manual	Manual
Projection lens : Lens shift > Range > Vertical	+/- 3.3%
Projection lens : Lens shift > Range > Horizontal	+/- 2.5%
Projection lens : Throw ratio	1.32:1 to 1.91:1
Light source : Type	Lamp
Light source : Wattage	280 W type

Light source : System –

Recommended lamp
replacement time(The
figures are the
expected
maintenance time and
not guaranteed. They 3000 H
will depend on the
environment or how
the projector is used) :
Lamp mode: High

Recommended lamp
replacement time(The
figures are the
expected
maintenance time and
not guaranteed. They 4000 H
will depend on the
environment or how
the projector is used) :
Lamp mode: Standard

Recommended lamp
replacement time(The
figures are the
expected
maintenance time and
not guaranteed. They –

will depend on the environment or how the projector is used) :
Lamp mode: Low

Recommended lamp replacement time(With two lamp sequential use) : Filter cleaning / replacement cycle(The figures are the expected maintenance time and not guaranteed. They will depend on the environment or how the projector is used) (Max.)

4000 H(Same time as the lamp replacement is recommended) (cleaning)

Screen size	40” to 300”
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Screen size	(1.02 m to 7.62 m)
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Light output : Lamp mode: High	5200 lm
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Light output : Lamp mode: Standard	4400 lm(The values are estimatel)
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Light output : Lamp mode: Low	–
Color light output : Lamp mode: High	5200 lm
Color light output : Lamp mode: Standard	4400 lm(The values are estimate)
Color light output : Lamp mode: Low	–
Contrast ratio (full white / full black)(This value is average)	3000:1
Input : Composite video > BNC	–
Input : Composite video > Pin Jack	1
Input : S video > Mini DIN 4-pin	1
Input : Computer > 5BNC	–
Input : Computer > Mini D-sub 15-pin	2
Input : Component	–

Input : DVI-D (HDCP)	–
Input : HDMI (HDCP)	1
Input : Audio > Pin Jack (L/R)	1
Input : Audio > Stereo mini jack	2
Option board slot	–
Output : Monitor > Mini D-sub 15-pin	1(From INPUT A and INPUT B)
Output : Audio(Works as an audio switcher function. Output from a selected channel; not available in standby) > Stereo mini jack	1
I/O, Control, Others : RS-232C > D-sub 9-pin	1 (female)
I/O, Control, Others : LAN > RJ-45, 10BASE-T/100BASE-TX	1
I/O, Control, Others : IR (Control S) input >	

Stereo mini jack, Plug –
in power DC 5 V

I/O, Control, Others :
IR (Control S) output > –
Stereo mini jack

I/O, Control, Others :
USB > Type A –

I/O, Control, Others :
USB > Type B –

I/O, Control, Others :
Microphone input > –
Mini jack

I/O, Control, Others :
Wireless –

Speaker 10 W x 1 (monaural)

Keystone correction
(Max.)(Depends on resolution) : Vertical +/- 30°

Keystone correction
(Max.)(Depends on resolution) : Horizontal +/- 20°

Power requirements	AC 100 V to 240 V
Power requirements	3.9 A to 1.7 A, 50/60 Hz
Power consumption : AC 100 V to 120 V > Lamp mode: High	390 W
Power consumption : AC 100 V to 120 V > Lamp mode: Standard	342 W (The values are estimate)
Power consumption : AC 220 V to 240 V > Lamp mode: High	367 W
Power consumption : AC 220 V to 240 V > Lamp mode: Standard	323 W (The values are estimate)
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	3.0 W (LAN) (when "Standby Mode" is set to "Standard")

120 V	
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	1331 BTU
Heat dissipation : AC 220 V to 240 V	1252 BTU
Dimensions (W x H x D) (without protrusions)	406 x 113 x 330.5 mm
Dimensions (W x H x D) (without protrusions)	15 31/32 x 4 7/16 x 13 in
Mass	5.6 kg / 12 lb 6 oz
Supplied accessories : Remote commander	RM-PJ7
Supplied accessories : Wireless LAN Module	—

Optional accessories : LMP-C280
Replacement lamp

Optional accessories :
Projection lenses –

Optional accessories :
Projection lens –
adapter

Optional accessories :
Interactive pen device –

Optional accessories :
Wireless LAN Module –

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

