VPL-CH375

5,000 lumens WUXGA 3LCD Basic
Installation projector with HDBaseT™
connectivity

Overview

A great fit for demanding middle and large classrooms and meeting rooms where cost is critical

The VPL-CH375 delivers an outstanding brightness of 5000 lumens and ultra high-quality images with WUXGA resolution. Sony 3LCD BrightEra™ panel technology provides higher picture quality, substantially brighter images, higher efficiency, consistent colour stability and longer durability. It also delivers installation flexibility, environment-friendly features, and a low total cost of ownership, in a stylish design that blends into any decor. The lens shift/zoom capability and the image correction features easily allow users to fit any image onto the screen, even from an offset projection angle.

The projector allows simple connectivity using an HDBaseT™* digital interface, multi signal transmission system, providing a single cable, cost-effective, long-distance, and high-quality digital transmission solution. Additionally, the projector is economically designed for optimum energy efficiency, thanks to its energy saving features and has all the features and functionality that you would expect from Sony, particularly in terms of installation, projection, usability and maintenance.

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Features

High resolution WUXGA image
The VPL-CH375 delivers an amazing resolution of WUXGA (1920 x 1200). Extremely clear and detailed high-quality images are projected, even on a large screen. The VPL-CH375 is the ultimate tool for projecting images in a range of applications requiring exceptional detail.

High image quality 3LCD BrightEra™ natural and vivid colour images with high brightness of 5000 lumens
Thanks to the optical system projecting three basic colours constantly, the projector offers excellent light efficiency, which ensures colourful and bright images. Sony's BrightEra™ panels deliver improved panel light resistance, higher resolution, high brightness and increased panel reliability. High colour reproducibility is important especially when using colourful content, such as materials used in classrooms.

Fine lens shift: +/- 5%, Horizontal: +/- 4%
The VPL-CH375's lens shift range adjustment means that the projector can be positioned picture-perfect and horizontally offset to avoid any minor ceiling obstacles.

1.5:1 to 2.2:1 throw ratio

The VPL-CH375 offers a 1.5:1 to 2.2:1 throw ratio that can accommodate most large classrooms or large meeting room's current replacement installation.

Connectivity via HDBaseT™*
The projector allows simple connectivity using an HDBaseT digital interface, multi signal transmission system, providing a single cable, cost-effective, long-distance, and high-quality digital transmission solution.

Blend-in design
The VPL-CH375 has a low-profile chassis, so it appears to blend into the ceiling or wall on which it is mounted.

Advanced energy-saving features
Advanced lamp technology enables robust energy-saving features. For example, greater brightness control in Auto Light Dimming mode saves considerable energy when the projector is left on without being used. During projection, Auto Picture Mode automatically adjusts light output to suit the projected scene. When you need to mute the picture temporarily, light output can be completely deactivated to minimise energy consumption.

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Specifications

Display system

Display system	3 LCD system

Display device

Size of effective display area	0.64" (16.3 mm) x 3 BrightEra LCD Panel, Aspect ratio: 16:10
Number of pixels	6,912,000 (1920 × 1200 × 3) pixels

Projection lens

Focus	Manual
Zoom - Powered/Manual	Manual
Zoom - Ratio	Approx. x 1.45
Throw Ratio	1.5:1 to 2.2:1
Lens shift - Powered/Manual	Manual
Lens shift - Range Vertical	+/- 5%
Lens shift - Range Horizontal	+/- 4%

Light source

Light source	Ultra high pressure mercury lamp
Wattage	280 W type

Recommended lamp replacement time*1

Lamp mode: High	2500 H
Lamp mode: Standard	3000 H
Lamp mode: Low	3500 H

Filter cleaning / replacement cycle (Max.) *1

Filter cleaning / replacement cycle (Max.)	Same as the lamp replacement

Screen size

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

Light output

Lamp mode: High	5000 lm
Lamp mode: Standard	3600 lm
Lamp mode: Low	3100 lm

Color light output

Lamp mode: High	5000 lm
Lamp mode: Standard	3600 lm
Lamp mode: Low	3100 lm

Contrast ratio (full white / full black)*2

Contrast ratio (full white / full black)	2500: 1

Speaker

Speaker	12W × 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: 1920 × 1200 dots*3

Video signal input	480/60i, 576/50i, 480/60p, 576/50p, 720/60p, 720/50p, 1080/60i, 1080/50i The following items are available for digital signal only; 1080/60p, 1080/50p, 1080/24p

Colour system

Colour system	NTSC3.58, PAL, SECAM, NTSC4.43, PAL-M, PAL-N

Key stone correction (Max)

Vertical	+/- 30 degrees
Horizontal	+/- 20 degrees

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	HDMI input connector: HDMI 19-pin, HDCP support
INPUT C	HDMI input connector: HDMI 19-pin, HDCP support
INPUT D	HDBaseT
S-VIDEO IN	S-video input connector: Mini DIN 4-pin
VIDEO IN	Video input connector: Phono jack
OUTPUT	Monitor output connector*4: Mini D-sub 15-pin (female) Audio output connector*5: Stereo mini jack
REMOTE	RS-232C connector: D-sub 9-pin (male)
LAN	RJ-45,100BASE-TX (Shared with HDBaseT)
HDBaseT	RJ-45, 4 Play
USB	Type-A
USB	Type-B
MICROPHONE IN	Mini jack

MICROPHONE IN	Mini Jack

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	-20°C to +60°C (-4°F to +140°F) / 20% to 80% (no condensation)

Power requirements

Power requirements	AC 100 V to 240 V, 3.9 A to 1.7 A, 50/60 Hz

Power consumption

AC 100 V to 120 V	Lamp mode: High: 388 W
AC 220 V to 240 V	Lamp mode: High: 367 W

Power Consumption (Standby Mode)

AC 100 V to 120 V	0.3 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	5.9 W (LAN) 5.9 W (HDBaseT) 6.2W (optional WLAN module) 6.2 W (All Terminals and Networks Connected) (when "Standby Mode" is set to "Standard")
AC 220 V to 240 V	6.0 W (LAN) 6.0 W (HDBaseT) 6.3W (optional WLAN module) 6.3 W (All Terminals and Networks Connected) (when "Standby Mode" is set to "Standard")

Standby Mode / Networked Standby Mode Activated

Standby Mode / Networked Standby Mode Activated	After about 10 Minutes

Wireless Network(s) On/Off Switch

Wireless Network(s) On/Off Switch	1) Press the MENU button, then select [Connection/Power] 2) [WLAN Settings] 3) [WLAN Connection] 4) Select On or Off

Heat dissipation

AC 100 V to 120 V	1323 BTU/h
AC 220 V to 240 V	1252 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 (12 lb)

Supplied accessories

Remote commander	RM-PJ8

Optional accessories

Replacement lamp	LMP-C281
Wireless LAN Module	IFU-WLM3

Notes

*1	This figure is expected maintenance time, not guaranteed time. The actual value depends on the environment and how the projector is used.
*2	The value is average.
*3	Available for VESA Reduced Blanking signal.
*4	From INPUT A.
*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.

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