SONY

VPL-CH355

4,000 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-CH355 delivers an outstanding brightness of 4000 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-CH355 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-CH355 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 4000 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-CH355'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-CH355 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-CH355 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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Technical 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	250 W type

Recommended lamp replacement time*1

● Lamp mode: High	3000 H
● Lamp mode: Standard	4000 H
● Lamp mode: Low	5000 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	4000 lm
● Lamp mode: Standard	3200 lm
● Lamp mode: Low	2600 lm

Color light output

● Lamp mode: High	4000 lm
● Lamp mode: Standard	3200 lm
● Lamp mode: Low	2600 lm

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Contrast ratio (full white / full black)*2	
● Contrast ratio (full white / full black)	2500: 1

Speaker	
● Speaker	12 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: 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
● 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-45,10BASE-T/100BASE-TX
● HDBaseT	RJ-45, 4 Play
● USB	Type-A
● USB	Type-B
● MICROPHONE IN	Microphone input: 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, 3.6 A to 1.6 A, 50/60 Hz

Power consumption

● AC 100 V to 120 V	Lamp mode: High: 353 W
● AC 220 V to 240 V	Lamp mode: High: 334 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	5.9 W (LAN) 5.9 W (HDBaseT) 6.2 W (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) 6.3 W (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	1204 BTU/h
● AC 220 V to 240 V	1139 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-C250
● 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.

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Accessories

Ceiling Brackets

PAM-210

Projector Ceiling Mount for Installation Projector

Lamps

LMP-C250

Replacement Lamp for the VPL-CH300 Series

Wireless TX/RX Accessories

IFU-WLM3

USB wireless LAN module

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