SONY

# VPL-CH350

## 4,000 lumens WUXGA 3LCD Basic Installation projector

## Overview

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

The VPL-CH350 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.

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.

## Features

### High resolution WUXGA image

The VPL-CH350 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-CH350 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-CH350'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-CH350 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.

### Blend-in design

The VPL-CH350 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.

## 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 |

## 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<br>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)<br>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)<br>Audio output connector*5: Stereo mini jack |
| REMOTE | RS-232C connector: D-sub 9-pin (male) |
| LAN | RJ-45,10BASE-T/100BASE-TX |
| 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 | 5.0 W (LAN)<br>5.1 W (optional WLAN module)<br>5.5 W (All Terminals and Networks Connected) (when "Standby Mode" is set to "Standard") |
| AC 220 V to 240 V | 5.2 W (LAN)<br>5.3 W (optional WLAN module)<br>5.5 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]<br>2) [WLAN Settings]<br>3) [WLAN Connection]<br>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. |
| 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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