

## **Sony Projector - VPL-PHZ10**



### Features

#### **Very high image quality with Sony's advanced BrightEra 3LCD projection engine and Z-Phosphor laser light source**

The Z-Phosphor laser light source is coupled with Sony's acclaimed BrightEra 3LCD projection engine to ensure high 5000 lumen image brightness with vivid, natural colour reproduction.

#### **Constant Brightness:**

Constant Bright maintains the same brightness throughout the 20,000 hours (at light output mode "Middle") hours recommended life span.

#### **Advanced picture refinement technologies**

Picture quality is boosted by advanced processing featured on Sony's home cinema projectors. Reality Creation uses a powerful pattern-matching database to optimise every pixel. Contrast Enhancer actively analyses and refines dark and light image areas for sparkling highlights and rich, deep blacks.

#### **Crisp, detail-packed WUXGA resolution images**

See fine detail in PC presentations, videos or multimedia signage with WUXGA (1920 x 1200) 16:10 resolution.

#### **Up to 20,000 hours\* operation with virtually no maintenance**

The advanced laser light source offers up to 20,000 hours\* operation without lamp exchange, reducing lifetime running costs compared with traditional projectors.

\*Actual hours may vary depending on usage environment.

#### **Hassle-free automatic filter cleaning**

Focus on great-looking images instead of arduous maintenance tasks: new automated filter cleaning system removes dust every 100 hours.

#### **Energy saving features**

Reduce running costs even further with convenient energy-saving features: Picture Mute and Auto Dimming.

#### **Save time with every presentation**

Quick power On/Off dramatically cuts warm-up time after switch-on before you can start presenting at full brightness.

#### **360° free-angle installation capability**

Enjoy greater installation flexibility: position the projector freely at any angle – or its side or even upside down.

#### **Supports HDBaseT**

Simpler, more cost-effective installation and connectivity with digital transmission of HD video, audio and networking/control over a single Ethernet cable.

#### **Quiet operation**

Low fan noise ensures discreet, unobtrusive operation in quiet environments for academic and corporate use.

**Slim, attractive blend-in design**

The slim, stylish case design features a flat top surface that blends in discreetly when the projector is ceiling mounted.

**Picture Mode**

Picture Mode ensures great-looking pictures in any presentation conditions. Select Standard, Dynamic, or Brightness Priority mode for optimised image quality, with any source and in every room.

**Simple set-up with friendly new Installation menu**

Easily adjust projector settings with remote commander

## **Specifications**

**Display system**

3 LCD system

**Display device**

**Size of effective display area**

0.76" (19.3 mm) x 3 BrightEra LCD Panel, Aspect ratio: 16:10

**Number of pixels**

6,912,000 (1920 x 1200 x 3) pixels

**Projection lens**

**Focus**

Manual

**Zoom - Powered/Manual**

Manual

**Zoom - Ratio**

Approx. x 1.45

**Throw ratio**

1.28:1 to 1.88:1

**Lens shift - Powered/Manual**

Manual

**Lens shift - Range Vertical**

+20% to +55%

**Lens shift - Range Horizontal**

+/- 10%

**Light source**

**Type**

Laser diode

**Filter cleaning / replacement cycle (Max.)**

20,000 H (service maintenance)

**Screen size**

40" to 300" (1.02 m to 7.62 m)

**Light output**

**Mode: Standard**

5,000 lm

**Color light output****Mode: Standard**

5,000 lm

**Contrast ratio (full white / full black)**

500,000:1

**Speaker**

16 W (monaural)

**Displayable scanning frequency****Horizontal**

15 kHz to 92 kHz

**Vertical**

48 Hz to 92 Hz

**Display resolution****Computer signal input**

Maximum display resolution: 1920 x 1200 dots \*2

**Video signal input**

NTSC, PAL, SECAM, 480/60p, 576/50i, 720/60p, 720/50p, 1080/60i, 1080/50i

The following items are available for HDMI input only; 1080/60p, 1080/50p, 1080/24p

**Color System**

NTSC3.58, PAL, SECAM, NTSC4.43, PAL-M, PAL-N, PAL60

**Keystone correction (Max.)****Horizontal**

+/- 30 degrees

**Vertical**

+/- 20 degrees

**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

Audio input connector: HDMI audio support

**INPUT C**

HDMI input connector: HDMI 19-pin, HDCP support

Audio input connector: HDMI audio support

**INPUT D**

HDBaseT interface connector: RJ45, 4 play (Video, Audio, LAN, Control)

**VIDEO IN**

Video input connector: BNC

Audio input connector: Shared with INPUT A

**OUTPUT**

Audio output connector: Stereo mini jack

**REMOTE**

D-sub 9-pin (male) / RS232C

**LAN**

RJ45, 100BASE-TX (Shared with INPUT D)

**USB**

TYPE-A

**USB**

TYPE-B

**Acoustic Noise****Lamp Mode: Standard / Middle / Low**

36 dB / 28 dB / 25 dB

**Operating temperature / Operating humidity**

0° to 40°C (32°F to 104°F) / 20 % to 80 % (no condensation)

**Storage temperature / Storage humidity**

-10° to +60°C (14°F to 140°F) / 20 % to 80 % (no condensation)

**Power requirements**

AC 100 V to 240 V, 4.3 A to 1.7 A, 50 Hz / 60 Hz

**Power Consumption****AC 100 V to 120 V**

Mode: Standard: 424 W

**AC 220 V to 240 V**

Mode: Standard: 403 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**

12.5 W (LAN)

13.2 W (optional WLAN module)

16.8 W (HDBaseT)

17.4 W (ALL Terminals and Networks Connected, when "Standby Mode" is set to "Standard")

**AC 220 V to 240 V**

11.9W (LAN)

12.6W (optional WLAN module)

17.0W (HDBaseT)

17.6W (ALL Terminals and Networks Connected, when "Standby Mode" is set to "Standard")

**Standby Mode / Networked Standby Mode Activated**

Approx. 2 Minutes

**Heat dissipation****AC 100 V to 120 V**

1446 BTU/h

**AC 220 V to 240 V**

1374 BTU/h

**Dimensions (W x H x D)****Dimensions (W x H x D) (without protrusions)**

510 x 113 x 354.6 mm (20 3/32 x 4 7/16 x 13 31/32 inches)

**Mass**

Approx. 8.7kg (19 lb)

**Supplied accessories****Remote commander**

RM-PJ8