SONY

VPL-PHZ12

5,000 lumens laser light source projector

Overview

5,000 lumens brightness, excellent picture quality and attractive running costs

The advanced laser light source inside the VPL- PHZ12 is combined with powerful signal processing to ensure exceptional images with 5,000 lumen brightness, ∞:1 contrast and beautifully stable, accurate colour making it ideal for academic and corporate environments.

Images look truer and sharper with Reality Creation that optimises every pixel to enhance on-screen images and text without adding digital picture noise. Contrast Enhancer analyses and refines dark and light areas in the image for sparkling highlights and rich, deep blacks.

Save time with Intelligent Setting presets that instantly fine-tune brightness, cooling, colour and other projector settings for great pictures in any environment.

Integration's easy in today's AV environments. The VPL-PHZ12 partners brilliantly with leading networked control, monitoring and management systems such as Crestron Connected™ and Extron® XTP™ Systems.*

* Extron and XTP Systems are trademarks of RGB Systems Inc.

Features

Very low maintenance

The laser light source offers up to 20,000 hours* operation without lamp exchange, reducing maintenance needs compared with traditional projectors.

Depending on usage environment

Consistent brightness

Experience consistent image brightness throughout the laser light source's 20,000 hours recommended lifespan.

Optical lens shift

Enjoy easy installation and greater flexibility with lens shift to position the projector in higher spaces.

Easy filter cleaning

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

Stylish blend-in design

The slim, stylish body features a flat top surface that blends discreetly into any space when the projector is ceiling mounted.

Specifications

Display System	
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.)

Filter Cleaning / Replacement Cycle (Max.)	20,000 H (service maintenance)

Screen Size

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

Light Output *1

Mode: Standard	5,000 lm *2
Mode: Standard (Centre)	5,200 lm *3
Mode: Middle	4,000 lm
Mode: Low	3,000 lm

Color Light Output *1

Mode: Standard	5,000 lm
Mode: Middle	4,000 lm
Mode: Low	3,000 lm

Contrast Ratio (full white / full black) *1

Contrast Ratio (full white / full black)	∞:1

Speaker

Speaker	16 W (monaural)

Displayable Scanning Frequency

Horizontal	15 kHz to 92 kHz
Vertical	48 Hz to 92 Hz

Accepted Signal Resolution

Computer Signal Input	Maximum signal resolution: 1920 x 1200 *4
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

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/Audio/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: Phono Jack Audio input connector: Shared with INPUT A
OUTPUT	Audio output connector: Stereo mini jack

REMOTE	D-sub 9-pin (male) / RS232C
LAN	RJ45, 10BASE-T/100BASE-TX
USB	TYPE-A
USB	TYPE-B

Acoustic Noise *1

Lamp Mode: Standard / Middle / Low	36 dB / 28 dB / 25 dB

Operating Temperature / Operating Humidity

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

Storage Temperature / Storage Humidity

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

Power Requirements

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

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

Mass	Approx. 8.7kg (19 lb)

Supplied Accessories

Remote Commander	RM-PJ8

Notes	
*1	The figures are approximate. They vary depending on the environment or how the projector is used.
*2	The value is in accordance with ISO 21118, and may differ depending on the actual unit. Brightness and contrast vary depending on use conditions and environments.
*3	The value is light output measured at center area of screen in Standard mode, and average of all products shipped.
*4	Available for VESA Reduced Blanking signal.

Gallery