VPL-PHZ61

6,400 lm (7,000 lm center)
WUXGA laser light source
projector

Overview

Impressively compact laser projector with 7,000 lumen center brightness, flexible installation and easy maintenance

Beautifully slim and light with the smallest body in its class, the VPL-PHZ61 laser projector combines outstanding picture performance with impressive 7,000 lumen center brightness and dependable reliability. Its discreet blend-in design, minimal maintenance needs and flexible installation options make the VPL-PHZ61 an ideal choice for conference rooms, university lecture halls and large classrooms as well as Esport applications.

Exclusive to Sony, Bright View technology delivers high-impact imagery that doesn't sacrifice color. Newly improved Reality Creation ensures images, diagrams, and text look clear and sharp, even in bright conditions. Intelligent Settings with Ambiance matches projected images with your environment for an enhanced viewing experience.

There's plenty of innovation inside the VPL-PHZ61 to keep pictures looking clear and bright over the projector's operational lifetime with minimal maintenance. The sealed laser light source prevents dust

build-up, while for general use in classrooms and meeting rooms the new dust filtration system makes changing filters a thing of the past.*

* When dust density < 0.03mg/m< 0.03mg/>3 and operating time < 10,500 hours.< 10,500 hours. (1,500 hours/>(1,500 hours/year over 7 years.)

Features

Consistently bright, beautiful colors
Even powerful projectors can suffer from washed-out image colors in strongly lit rooms. Unique to Sony, Bright View processing technology brightens images while maintaining rich colors when you're presenting in well-lit business and educational environments.

Clearer images and text
Reality Creation uses powerful algorithms that boost image resolution closer to 4K clarity. Reality Text improves visibility of characters: great for conference rooms, university seminar rooms and large classrooms.

Enhanced viewing experience
Intelligent Settings with Ambiance uses a built-in light sensor to measure room brightness, automatically adjusting Bright View mode, color gain, and Reality Creation to suit your presentation environment.

Enjoy optimum pictures while saving energy
The VPL-PHZ61 makes sound business sense, helping you reduce running costs in corporate and educational environments. A new Auto Light Output feature works in conjunction with Ambiance, optimizing image quality and maintaining high visibility while reducing power consumption.

4K 60P input support
Support for 4K 60P input signals makes life simpler when you're using the VPL-PHZ61 in multi-screen set-ups with flat panel sub-screens. Just split the same 4K signal to drive all your displays, with no conversion needed. There's also a high-performance image scaler that effortlessly converts 4K input signals to WUXGA resolution while achieving close to 4K image quality. Now optimized for 4K 60P signals, Reality Creation is Sony's unique picture enhancement feature that gives projected images even greater crispness and depth. There's also support for devices with content protection such as 4K UHD players.

Stylish, installation-friendly design
The projector's slim, stylish body blends discreetly into any space when the VPL-PHZ61 is ceiling mounted. A wide +55% vertical lens shift range makes perfectly proportioned pictures easy without long pole mounts or keystone correction. The wide throw ratio range simplifies replacement of a previous projector without repositioning existing ceiling mounts.

Intelligent Settings for easy installation
Intelligent Settings simplifies installation and maximizes performance based on usage, image detail, color richness and fidelity, light output, cooling level, and output noise. There's also a Meeting/Classroom function that controls laser output to keep brightness as high as possible for years of real-world use.

Avoid dust build-up
The laser light source is sealed to prevent dust accumulation and eliminate reduced brightness. The dedicated cooling duct structure for the projector's 3LCD panels is covered with an air filter to prevent dust from

entering.

Simple, hassle-free filter care
Focus on great-looking images instead of time-consuming maintenance. The new dust filtration system makes changing filters a thing of the past for general use in classrooms and meeting rooms.* For heavier use in dusty environments there's a new clogging sensor to advise when filter cleaning is needed.

* When dust density < 0.03mg/m< 0.03mg/>3 and operating time < 10,500 hours.< 10,500 hours. (1,500 hours/>(1,500 hours/year over 7 years.)

Data Cloning
Settings for one projector can be copied to further projectors using a USB memory drive. This greatly simplifies installation and set-up of multiple projectors.

Auto Input Select
Don't get distracted by fiddling with input settings while you're preparing for your presentation. The VPL-PHZ61 automatically selects an active signal input, so there's no need to change input each time a device is connected.

Auto power on
Connect the VPL-PHZ61 to a switched-on computer and the projector turns on automatically from standby mode, with no need to operate the power button.

Specifications

Display System	
Display System	3LCD system

SONY

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 x 1200 x 3) pixels

Projection Lens

Focus	Manual
Zoom	Manual (Approx. x 1.6)
Lens shift	Manual, Vertical –35% to +55%, Horizontal: +/–15%
Throw Ratio	1.23: 1 to 1.97: 1

Light Source

Light Source	Laser diode

Screen Size

Screen Size	1.02 m to 7.62 m (40 in to 300 in) (measured diagonally)

Light Output*1

Mode: Standard	6,400 lm*2 / 7,000 lm (Center)*3
Mode: Middle	4,700 lm

Mode: Low	-

Color Light Output*1

Mode: Standard	6,400lm
Mode: Middle	4,700 lm
Mode: Low	-

Contrast Ratio (full white / full black)*1

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

Displayable Scanning Frequency

Horizontal	15 kHz to 92 kHz
Vertical	24 Hz to 92 Hz

Keystone Correction (Max.)

Keystone Correction (Max.)	Horizontal: +/-30 degrees Vertical: +/-30 degrees

Accepted Signal Resolution

Computer Signal Input	Maximum signal resolution: 1920 x 1200*4
	NTSC, PAL, SECAM, 480/60i, 576/50i, 480/60p, 576/50p,

Video Signal Input	720/60p, 720/50p, 1080/60i, 1080/50i, 1080/60p, 1080/50p, 3840/60p, 3840/30p, 3840/25p, 3840/24p, 4096/60p, 4096/30p, 4096/25p, 4096/24p

INPUT / OUTPUT

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, Digital RGB/Y PB PR, HDCP support Audio input connector: HDMI audio support
INPUT C	HDMI input connector: HDMI 19-pin, Digital RGB/Y PB PR, 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 (Composite) 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 x 1 (for F/W update), TYPEA for Power supply

Speaker

Speaker	16 W

OSD Languages

OSD Languages	27-language (English, French, German, Italian, Spanish, Portuguese, Japanese, Chinese, Korean, Russian, Dutch, Norwegian, Swedish, Thai, Arabic ,Turkish, Polish, Vietnamese, Farsi, Finnish, Indonesian, Hungarian, Greek, Czech, Slovak, Romanian)

Acoustic noise (Mode: Standard / Middle) *1

Acoustic noise (Mode: Standard / Middle) *1	37 dB / 34 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	-10°C to +60°C (14°F to +140°F) / 20% to 80% (no condensation)

Power Requirements

Power Requirements	AC 100 V to 240 V, 4.7 A to 2.0 A, 50 Hz/60 Hz

Power Consumption

AC 100 V to 120 V	463 W
AC 220 V to 240 V	434 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	1 W (LAN), 21 W (ALL Terminals and Networks Connected / exclude USB Device and speaker off, when "Standby Mode" is set to "Standard")
AC 220 V to 240 V	1 W (LAN), 21 W (ALL Terminals and Networks Connected / exclude USB Device and speaker off, when "Standby Mode" is set to "Standard")

Standby Mode / Networked Standby Mode Activated	
Standby Mode / Networked Standby Mode Activated	Approx. 2 Minutes

Dimensions (W x H x D) (without dust filter, protrusions)	
Dimensions (W x H x D) (without dust filter, protrusions)	Approx. 422 x 100 x 333 mm (16 5/8 x 3 15/16 x 13 1/8 inches)

Dimensions (W x H x D)	
Dimensions (W x H x D)	Approx. 422 x 129 x 338 mm (16 5/8 x 5 3/32 x 13 5/16 inches)

Mass

Mass	Approx. 7.0 kg (15 lb)

Supplied Accessories

Supplied Accessories	RM-PJ8 Remote Commander

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