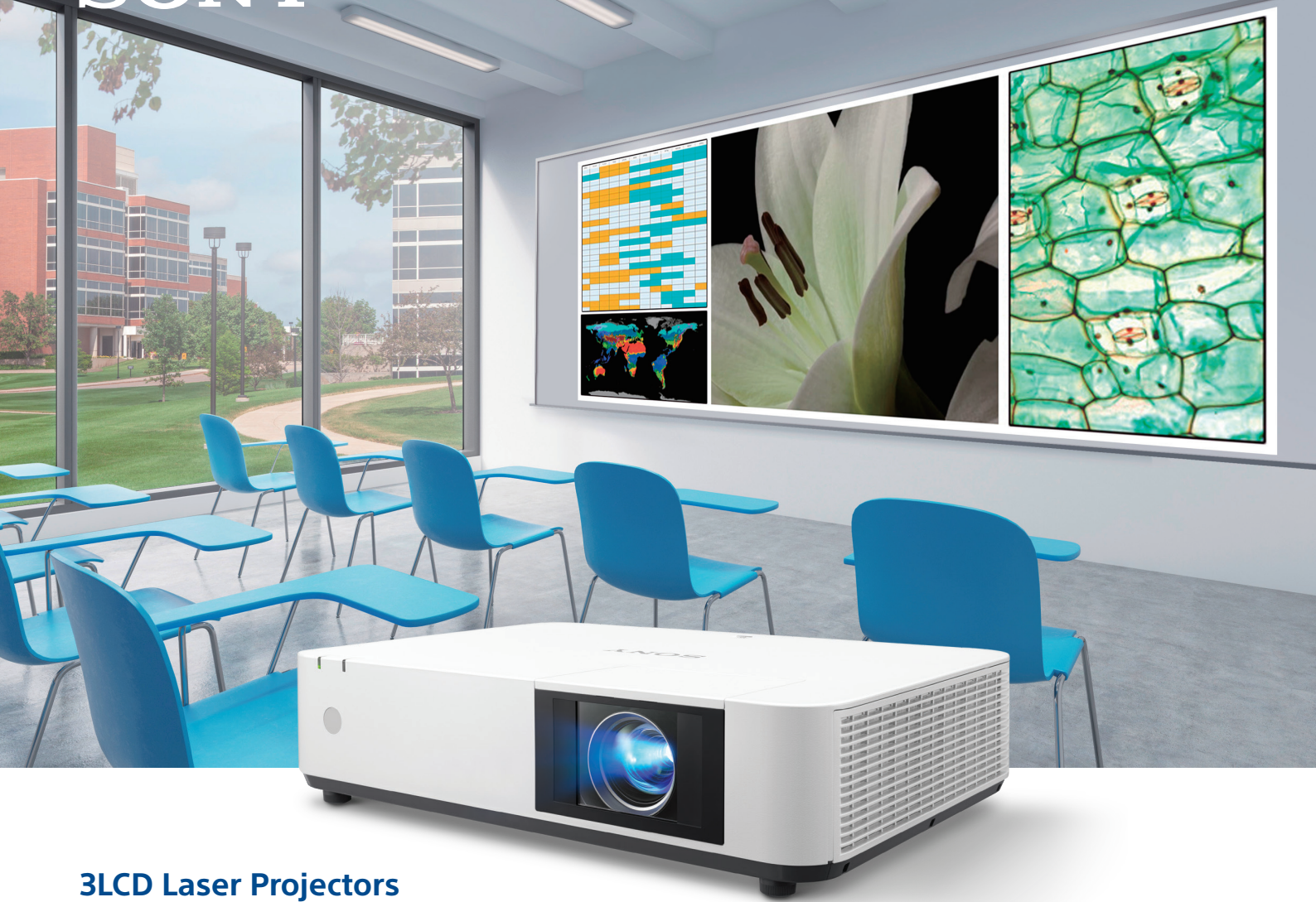


# SONY



## 3LCD Laser Projectors

# VPL-PHZ12

5,000lm, WUXGA

### Features

- High contrast, very high quality 5,000 lumen images
- Reality Creation  
// Advanced picture refinement technologies
- Intelligent Setting  
// Highly automatic control of multiple parameters to maximize laser performance
- Installation flexibility
- Supports wide range of major control interfaces
- Slim, attractive blend-in design

With 5,000 lumens brightness, excellent picture quality and attractive running costs, this stylish 3LCD laser projector is equally at home in academic and corporate environments.



Meeting Rooms



Classrooms



Training Spaces

**Z-Phosphor**  
LASER LIGHT SOURCE



**BrightEra**  
Long Lasting Optics



# SPECIFICATIONS

		VPL-PHZ12
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	Zoom	Manual (Approx. x 1.45)
	Focus	Manual
	Lens shift	Manual, Vertical: +20% to +55%, Horizontal: +/- 10%
	Throw ratio	1.28:1 to 1.88:1
Light source		Laser diode
Filter cleaning / replacement cycle (Max.)*1		20,000 H (service maintenance)
Screen size		40" to 300" (1.02 m to 7.62 m) (measured diagonally)
Light output (Mode: Standard / Middle)		5,000 lm / 4,000 lm
Color light output (Mode: Standard / Middle)		5,000 lm / 4,000 lm
Contrast ratio (full white / full black)*2		∞ : 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*3
	Video signal input	NTSC, PAL, SECAM, 480/60i, 576/50i, 480/60p, 576/50p, 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
OSD language		27-language (English, French, German, Italian, Spanish, Portuguese, Japanese, Chinese, Korean, Russian, Dutch, Norwegian, Swedish, Thai, Arabic, Turkish, Polish, Vietnamese, Farsi, Finnish, Indonesian, Hungary, Greek, Czech, Slovakia, Romania)
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 x 1, TYPE-B x 1
Acoustic Noise (Mode: Standard / Middle / Low)		36 dB / 28 dB / 25 dB
Operating temperature (Operating humidity)		0°C to 40°C (32°F to 104°F) / 20% to 80% (no condensation)
Storage temperature (Storage humidity)		-10°C 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 (Mode: Standard)	AC 100 V to 120 V	424 W
	AC 220 V to 240 V	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)		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) (without protrusions)		Approx. W 510 x H 113 x D 354.6 mm (20 3/32 x 4 7/16 x 13 31/32 inches)
Mass		Approx. 8.7kg (19 lb)
Supplied accessories		RM-PJ8 Remote Commander (1), Lithium battery (CR2025) (1), AC Power Cord (1), Quick Reference Manual (1), Operating Instructions (CD-ROM) (1)

\*1 This figure is the expected maintenance time, not a 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.

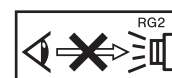
## LASER NOTICES

For the U. S. A.



For other countries

IEC 60825-1:2014 CLASS 1 LASER PRODUCT



As with any bright light source, do not stare into the beam, RG2 IEC 62471-5:2015.

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