SONY

VPL-FHZ61

5,100 lm (5,600 lm center) WUXGA laser light source projector (colour availability may vary by country)

Overview

Bright, beautiful images with low running costs, minimal maintenance and flexible installation

The VPL-FHZ61 laser projector is ideal for a wide range of business, education and entertainment applications. The powerful Z-Phosphor laser light source is teamed with Sony's advanced BrightEra 3LCD projection engine to deliver extremely bright, detail-packed WUXGA resolution images with generous 5100 lumens brightness and rich, stable colours. Constant Bright maintains the same brightness throughout the 20,000 hours recommended life span.

The laser light source allows up to 20,000 hours* of virtually zero maintenance operation without the worry of sudden lamp failures. A new automated filter system cuts the hassle of regular dust cleaning. Near-zero maintenance needs are complemented by a range of energy-saving feature, significantly driving down total lifetime ownership costs.

Offering a stylish new blend-in design, tidy cable management and low fan noise, the VPL-FHZ61 fits smoothly into almost any environment – from academic institutions, corporate, medical training and public sector

organisations to visitor attractions and retail spaces. Seamlessly blend images from multiple projectors to create super-sized displays, or project accurately proportioned images onto angled or curved surfaces. Mount the projector at any angle, even on its side or upside down. Set-up's easier than ever with a friendly new installation menu.

VPLFHZ61/W is the white model; VPLFHZ61/B is the black model. Black and lensless models available in Europe; colour availability may vary by country.

**Actual hours may vary depending on usage environment.*

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 5100 lumen image brightness with vivid, natural colour reproduction.

Constant Brightness

Constant Bright maintains the same brightness throughout the 20,000 hours recommended life span.

Advanced picture refinement technologies

Picture quality is boosted by advanced processing featured on Sony 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 the finest 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.

Powered Wide Lens Shift

Generous lens shift adjustments give more flexibility for positioning the projector where you need it: close to ceilings or even horizontally offset.

Included powered standard zoom lens plus wide choice of lens

options

Installation flexibility is increased by a wide range of compatible lens options to suit virtually any size of room and throw requirements. New quick-release bayonet mount simpifies quick lens exchange.

Supports HDBaseT

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

Create super-size displays with Edge Blending

Seamlessly join accurately colour-matched images from multiple projectors, simplifying creation of stunning super-size displays for corporate and education.

Project onto non-flat surfaces with Image Warping

Easily correct image geometry for natural-looking projections – even on convex or concave surfaces. Corner and edge correction can be easily adjusted with the supplied remote and on-screen menu.

Quiet operation

Low fan noise ensures discreet, unobtrusive operation in quiet environments from museums and galleries to lecture theatres.

Slim, attractive new blend-in design

The slim, stylish case design features a flat top surface that blends in discreetly when the projector is ceiling mounted. The clean appearance is accentuated by a new terminal cover that reduces cable clutter.

Picture Mode

New Picture Mode ensures great-looking pictures in any presentation conditions. Select Standard, Dynamic, Brightness Priority or Multi Screen mode for optimised

image quality, with any source and in every room.

Built-in Auto Calibration

After extended periods, colour can be automatically calibrated to the original factory condition. There’s no need for extra calibration equipment or cameras; a built-in colour sensor stores all the necessary information.

Simple set-up with friendly new Installation menu

Easily adjust projector settings with remote commander, including warping and edge blending.

Project Side by Side

Project images from two inputs at the same time: ideal for applications such as video conferencing and medical training where two images need to be seen simultaneously.

Protocol Emulation

Sony’s Protocol Emulation feature allows one to control Sony projectors using other manufacturer's RS232C control protocols. This feature allows integrators to replace other manufacturer’s projector with Sony’s, without re-programming the AV system. Consult your Sony representative for the details.

Specifications

Display system

Display system	3 LCD system

Display device

Size of effective display area	0.76” (19 mm) x 3 BrightEra LCD Panel, Aspect ratio:

	16:10
Number of pixels	6,912,000 (1920 x 1200 x 3) pixels

Projection lens *1

Focus	Powered
Zoom - Powered/Manual	Powered
Zoom - Ratio	Approx. x 1.6
Throw ratio	1.39:1 to 2.23:1
Lens shift - Powered/Manual	Powered
Lens shift - Range Vertical	-5%, +60%
Lens shift - Range Horizontal	+/- 32%

Light source

Type	Laser diode

Filter cleaning / replacement cycle (Max.) *2

Filter cleaning / replacement cycle (Max.)	20000 H (service maintenance)

Screen size

Screen size	40'' to 600'' (1.02 m to 15.24 m) (measured diagonally)

Light output *3

Mode: Standard	5100lm *4
Mode: Standard (Centre)	5600lm *5
Mode: Middle	3500lm

Colour light output *3

Mode: Standard	5100lm
Mode: Middle	3500lm

Contrast ratio (full white / full black) *3

Contrast ratio (full white / full black)	500000:1

Displayable scanning frequency

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

Accepted signal resolution

Computer signal	Maximum signal resolution:

input	1920 x 1200 *6
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 digital signal (HDMI input) only; 1080/60P, 1080/50p, 1080/24p

Colour system

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

Keystone correction (Max.)

Horizontal	+/- 30 degrees
Vertical	+/- 30 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	DVI input connector: DVI-D 24-pin (single link), HDCP support Audio input connector: Shared with input A

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 A	Monitor output for Input A Connector: Mini D-sub 15-pin (female) Audio output connector: Stereo mini jack
OUTPUT B	Monitor output for Input B Connector: DVI-D 24-pin (single link), HDCP not supported Audio output, Monitor out connector: Stereo mini jack
REMOTE	D-sub 9-pin (male) / RS232C
LAN	RJ45, 10BASE-T/100BASE-TX
IR (Control S)	Stereo mini jack, Plug in power DC5V

Acoustic Noise *3

Lamp mode: Middle	28 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, 4.5 A to 1.9 A, 50 Hz / 60 Hz

Power consumption

AC 100 V to 120 V	Mode: Standard: 420 W
AC 220 V to 240 V	Mode: Standard: 408 W

Power Consumption (Standby Mode)

AC 100 V to 120 V	0.5W (when “Standby mode” is set to “Low”)
AC 220 V to 240 V	0.5W (when “Standby mode” is set to “Low”)

Power Consumption (Networked Standby

Mode)	
AC 100 V to 120 V	15.0 W (LAN) 19.4 W (HDBaseT) 19.4 W (All Terminals and Networks Connected) (when "Standby Mode" is set to "Standard")
AC 220 V to 240 V	13.3 W (LAN) 17.4 W (HDBaseT) 17.4 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	Approx. 10 Minutes

Heat dissipation	
AC 100 V to 120 V	1433 BTU/h
AC 220 V to 240 V	1392 BTU/h

Dimensions (W x H x D)	
Dimensions (W x H x D) (without protrusions)	460 x 169 x 515 mm 18 1/8 x 6 21/32 x 20 9/32 inches

Mass

Mass	16 kg (34 lb)

Supplied accessories

Remote commander	RM-PJ27

Optional accessories

Projection Lens	VPLL-3003 / 3007 / Z3009 / Z3010 / Z3024 / Z3032

Notes

*1	With supplied standard lens
*2	This figure is expected maintenance time, not guaranteed time. The actual value depends on the environment and how the projector is used.
*3	The figures are approximate. They vary depending on the environment or how the projector is used.
*4	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.
*5	The value is light output measured at center area of screen in Standard mode, and average of all products shipped.
*6	Available for VESA Reduced Blanking signal.

Gallery