SONY | Professional Solutions

PRODUCT FLASH

VPL-FHZ85 | VPL-FHZ80

3LCD Laser Installation Projectors

VPL-FHZ85
7,300lm (8,000lm Center)

VPL-FHZ80
6,000lm (6,500lm Center)

The industry's smallest & lightest interchangeable lens projector with innovative features.

The VPL-FHZ85 and VPL-FHZ80 provide brightness and optimal image quality in a small and light form factor, ideal for large classrooms, meeting rooms, auditoriums, exhibitions and sports simulators.

These two models incorporate a number of features that contribute to the excellent picture quality, such as high brightness – the VPL-FHZ85 at 7,300 lumens (8,000 lumens center) and the VPL-FHZ80 at 6,000 lumens (6,500 lumens center), advanced intelligent settings, which offer optimisation based on usage environment. Customised Bright View functionality enables colours to accurately maintain their contrast and vivacity, even in brightly lit rooms. And the new Ambiance feature automatically measures the room's brightness using an ambient light sensor, and further calibrates the Bright View, colour gain and Reality Creation settings accordingly. Additionally, the new models support 4K60P input for compatibility with 4K video sources.

Intelligent Setting V3 – with new ambient light sensor

KEY FEATURES

- WUXGA (1920 x 1200) 16:10 resolution
- Improved Reality Creation for 4K content and Reality Text for presentation content
- Intelligent Setting V3 – 4 pre-set locations with ambient light sensor to optimise the projection image quality depending on room brightness
- Wide lens shift, vertical +70%
- 4K60P input capable
- USB power supply for wireless presentation dongle
- Data cloning (refer to next page for "how to use" instructions)
- Auto input select
- Auto power on - HDMI/DVI/HD15 terminal input signals
- Z-Phosphor laser light source & BrightEra Long-lasting Optics
- 20,000hrs Zero Maintenance Operation
- Instant ON/OFF
- Auto filter cleaning & fine air-cooling control
- Sealed laser light source - to prevent it from attracting dust, eliminating reduced brightness due to dust accumulation
- Enhanced emulation protocol

Model SRP incl gst	**VPL-FHZ85 = $13,999 VPL-FHZ80 = $11,999**
Availability: Colour:	Now **White | Black**

SONY | ProfessionalSolutions

PRODUCT FLASH

DATA CLONING

How it works

Full Copy

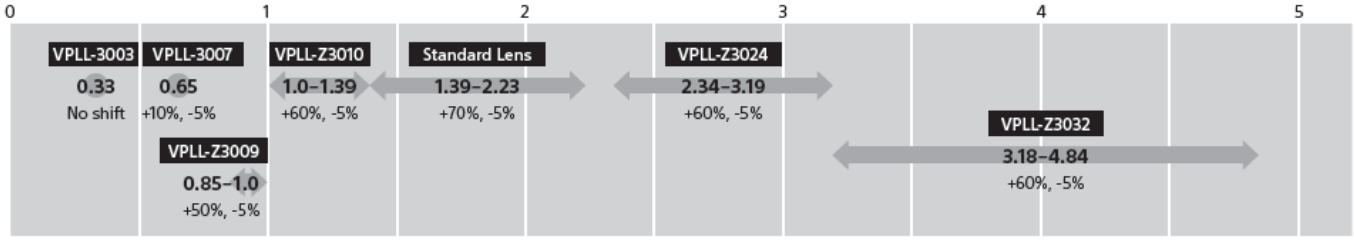
1. Unplug the power cord of the projector which you want to copy the settings from.
2. Insert an empty USB memory drive into the projector.
3. Plug in the power cord while holding the ← key on the control panel of the projector to start copying the settings to the USB memory drive.*
4. Unplug the power cord of a projector which you want to copy the setting to.
5. Insert the USB memory drive with the copied settings.
6. Plug in the power cord while holding the → key on the control panel of the projector to start copying the settings to the projector.*

Partial Copy

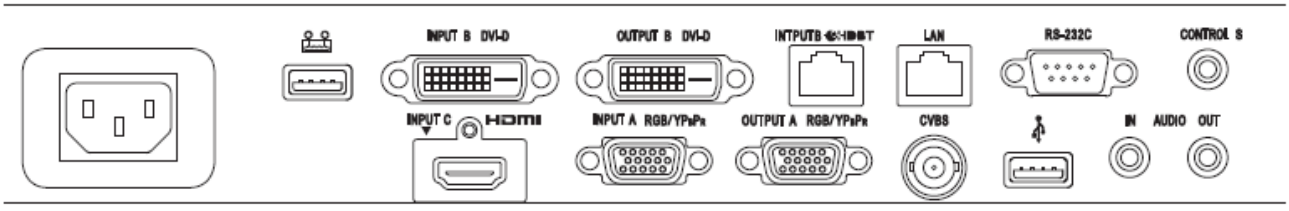
1. Unplug the power cord of the projector which you want to copy the settings from.
2. Insert an empty USB memory drive into the projector.
3. Plug the power cord while holding the ↑ key on the control panel of the projector to start copying the settings to the USB memory drive.*
4. Unplug the power cord of a projector which you want to copy the setting to.
5. Insert the USB memory drive with the copied settings.
6. Plug in the power cord while holding the ↓ key on the control panel of the projector to start copying the settings to the projector.*

* It takes approx. 7-8 minutes to complete copying the data. After copy is completed, the projector will turn on.

OPTIONAL LENS



PROJECTOR CONNECTORS



AWARDS

PRODUCT FLASH

SPECIFICATIONS

		VPL-FHZ85	VPL-FHZ80
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	Zoom	Powered (Approx. x 1.6)	
	Focus	Powered	
	Lens shift	Powered, Vertical: -5%, +70%, Horizontal: +/-32%	
	Throw ratio	1.39:1 to 2.23:1	
Light source		Laser diode	
Screen size		40" to 600" (1.02 m to 15.24 m) (measured diagonally)	
Light output (Mode: Standard / Middle)		7,300 lm*2, 8,000 lm (Center)*3 / 5,840 lm	6,000 lm*2, 6,500 lm (Center)*3 / 4,800 lm
Color light output (Mode: Standard / Middle)		7,300 lm / 5,840 lm	6,000 lm / 4,800 lm
Time until light output declines to 50 %*4		20,000 hours (Standard) / 30,000 hours (Middle)	
Contrast ratio*5 (full white / full black)		∞:1	
Displayable scanning frequency	Horizontal	15kHz to 93kHz	
	Vertical	23Hz to 63Hz	
Display resolution	Computer signal input	Maximum display resolution: 1920 x 1200 dots*6	
	Video signal input	NTSC, PAL, SECAM, 480/60i, 576/50i, 480/60p, 576/50p, 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	
Keystone correction (Max.)		Vertical: +/- 30 degrees Horizontal: +/- 30 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	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 DC 5 V	
	USB	TYPE-A (for F/W update) , TYPE-A (for Power supply)	
Acoustic noise (Mode: Standard / Middle)		38 dB / 36 dB	36 dB / 34 dB
Operating temperature (Operating humidity)		0°C to 45°C (32°F to 109°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, 5.1 A to 2.2 A, 50 Hz / 60 Hz	
Power consumption (Mode: Standard / Middle)	AC 100 V to 120 V	506 W / 384 W	397 W / 288 W
	AC 220 V to 240 V	474 W / 363 W	378 W / 278 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	9.8 W (LAN) / 10.6 W (HDBaseT) / 10.6 W (ALL Terminals and Networks Connected, when "Standby Mode" is set to "Standard")	
	AC 220 V to 240 V	10.9 W (LAN) / 11.6 W (HDBaseT) / 11.6 W (ALL Terminals and Networks Connected, when "Standby Mode" is set to "Standard")	
Outside dimensions		Approx. W 460 x H 169 x D 494 mm (W 18 1/8 x H 6 3/4 x D 19 1/2 in) (without protrusions)	
Mass		Approx. 13 kg (29 lb)	Approx. 13 kg (28 lb)
Optional accessories	Projection lenses	VPLL-3003 / 3007 / Z3009 / Z3010 / Z3024 / Z3032	

*1 with supplied standard lens. *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 Estimated time until light output declines to 50 % varies depending on environment. *5 The figures are approximate. They vary depending on the environment or how the projector is used. *6 Available for VESA Reduced Blanking signal.