

# SONY



## 3LCD Laser Projectors

**VPL-FHZ75**  
6,500lm, WUXGA

**VPL-FHZ70**  
5,500lm, WUXGA

### Features

- High contrast, very high quality 6,500/5,500 lumen images
- Advanced picture refinement technologies
- Intelligent Setting
- Wide Lens Shift, the industry's widest lens shift\* capability of Vertical +70%
- Included powered standard zoom lens plus wide choice of lens options
- Constant Brightness
- Slim, attractive blend-in design

\*In the range of 5,000-6,500 lm. As of 5th February 2019, according to Sony's research.



Meeting Rooms



Museums



Classrooms

**Z-Phosphor**  
LASER LIGHT SOURCE

**3LCD**

**BrightEra**  
Long Lasting Optics

**HDMI**

**CHDBT™**

## SPECIFICATIONS

		VPL-FH275	VPL-FH270
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	
Filter cleaning / replacement cycle (Max.)*2		20,000 H (service maintenance)	
Screen size		40" to 600" (1.02 m to 15.24 m) ( measured diagonally)	
Light output (Mode: Standard / Middle)		6500 lm / 5200 lm	5500 lm / 4400 lm
Color light output (Mode: Standard / Middle)		6500 lm / 5200 lm	5500 lm / 4400 lm
Contrast ratio*3 (full white / full black)		∞:1	
Displayable scanning frequency	Horizontal	15kHz to 92kHz	
	Vertical	48Hz to 92Hz	
Display resolution	Computer signal input	Maximum display resolution: 1920 x 1200 dots*4	
	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 only; 1080/60p, 1080/50p, 1080/24p	
Keystone correction (Max.)		Vertical: +/- 30 degrees Horizontal: +/- 30 degrees	
Computer and video signal input/output	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	
Control signal input/output		RS-232C connector: D-sub 9-pin (male), LAN connector: RJ45, 10BASE-T / 100BASE-TX, IR (Control S) connector: Stereo mini jack, Plug in power DC 5 V	
Acoustic Noise (Mode: Standard / Middle)		38 dB / 36 dB	36 db / 36 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, 5.4 A to 2.2 A, 50 Hz / 60 Hz	AC 100 V to 240 V, 4.9 A to 2.0 A, 50 Hz / 60 Hz
Power consumption (Mode: Standard / Middle)	AC 100 V to 120 V	537 W / 391 W	483 W / 352 W
	AC 220 V to 240 V	518 W / 378 W	468 W / 341 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	16.0 W (LAN) / 20.7 W (HDBaseT) / 20.7 W (ALL Terminals and Networks Connected, when "Standby Mode" is set to "Standard")	
	AC 220 V to 240 V	13.3 W (LAN) / 18.7 W (HDBaseT) / 18.7 W (ALL Terminals and Networks Connected, when "Standby Mode" is set to "Standard")	
Outside dimensions		Approx. W 460 x H 169 x D 515 mm (W 18 1/8 x H 6 21/32 x D 20 9/32 in) (without protrusions)	
Mass		Approx. 16 kg (34 lb)	
Optional accessories	Projection lenses	VPLL-3003 / 3007 / Z3009 / Z3010 / Z3024 / Z3032	

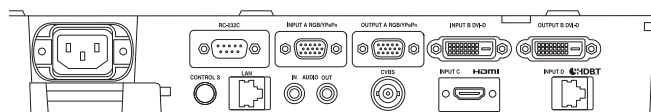
\*1 With supplied standard lens \*2 This figure is the expected maintenance time, not a guaranteed time. The actual value depends on the environment and how the projector is used. \*3 The value is average.

\*4 Available for VESA Reduced Blanking signal.

## OPTIONAL LENS INFORMATION

	Screen Size	Throw ratio	Lens shift range	
			Vertical	Horizontal
VPLL-3003	80" to 300"	0.33:1	+/- 5%	+/- 5%
VPLL-3007	60" to 300"	0.65:1	+10%/-5%	+/- 4%
VPLL-Z3009	60" to 300"	0.85:1 to 1.0:1	+50%/-5%	+/- 24%
VPLL-Z3010	60" to 300"	1.0:1 to 1.39:1	+60%/-5%	+/- 29%
VPLL-Z3024	40" to 600"	2.34:1 to 3.19:1	+60%/-5%	+/- 32%
VPLL-Z3032	40" to 600"	3.18:1 to 4.84:1	+60%/-5%	+/- 32%

## CONNECTOR PANELS



### LASER NOTICES

For the U.S.A.  
IEC 60825-1:2007 CLASS 3R LASER PRODUCT

For other countries  
IEC 60825-1:2014 CLASS 1 LASER PRODUCT



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