

# VPL-FHZ70

5,500 lumens WUXGA laser light source projector



## Overview

### **With advanced image technologies for high contrast presentations and installation-friendly features**

The compact, elegantly styled VPL-FHZ70 laser projector showcases cutting-edge Sony picture innovations and installation-friendly features - making it ideal for high brightness projection applications in midsize corporate, education and public environments.

The projector's long-lasting laser light source and newly-developed 0.76-inch 3LCD panel with incorporated optical compensator are augmented by powerful Reality Creation and colour processing technologies by Sony. This ensures exceptionally high-contrast images with WUXGA resolution, true-to-life colour and very high 5,500 lumens brightness - ideal for delivering lectures and presentations with extra audience engagement.

Leveraging its long-term experience in laser projector development and analysis, Sony's Intelligent Setting function simplifies installation, offering four pre-sets that adjust brightness, cooling system, colour and other projector settings for optimal performance in meeting/classrooms, museums, entertainment venues and multi-screen setups.

With its compact 'blend-in' design and widest vertical lens shift range in its class, the VPL-FHZ70 is ideal for installation even in limited spaces, while extra flexibility's provided with accurately-proportioned projection onto angled surfaces.

## Features

### **High contrast, very high quality 5,500 lumen images**

The laser is complemented by a newly-developed 0.76-inch LCD panel with incorporated optical compensator. Combined with powerful signal processing technology, this ensures vivid images with crisp detail, ∞:1 contrast and natural, accurate colour reproduction.

### **Advanced picture refinement technologies**

Picture quality is boosted by Sony's unique super resolution Reality Creation technology which uses a powerful pattern-matching database to optimise lower-resolution images, enhancing image clarity without increasing digital picture noise.

### **Intelligent Settings**

Leveraging its long-term experience in laser projector development and analysis, Sony's Intelligent Settings offer four presets, optimising brightness, cooling system and other projector settings to suit all usage environments - simplifying installation for busy

system integrators.

**Wide Lens Shift**

The industry’s widest lens shift\* capability of Vertical +70% gives greater flexibility for positioning the projector, and ensures that presenters or visitors aren’t distracted by the projector's light source.

\*In the range of 5000-6500 lm. As of 5th February 2019, according to Sony research.

**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 simplifies lens exchange.

**Constant Brightness**

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

**Slim, attractive blend-in design**

The slim, stylish body 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.

**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: automated filter cleaning system removes dust every 100 hours.

**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.

**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.

**Networked control and monitoring**

The projector is ideal for integration in AV environments with leading networked control, monitoring and management systems such as Crestron Connected™ and newly added Extron® XTP™ Systems.\*

\*Extron and XTP Systems are trademarks of RGB Systems Inc.

Specifications

Display system	
Display system	3 LCD system
Display device	
Size of effective display area	New LCD panel 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%, +70%
Lens shift - Range Horizontal	+/- 32%

**Light source**

Type	Laser diode
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**Light output**

Mode: Standard	5500 lm
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**Colour light output**

Mode: Standard	5500 lm
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**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

OUTPUT A	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

### 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
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### Optional accessories

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

*1	With supplied standard lens
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## Gallery



