

VPL-FH36

5,200 lumens WUXGA 3LCD
Installation projector (colour
availability may vary by country)



Overview

High brightness and low maintenance - great performance for any environment

The VPL-FH36 is designed to fit smoothly into almost any environment where a high-quality projector is required. Its brightness, zoom and throw range, coupled with its wide lens shift range, mean it can perform where other projectors would struggle - even in high ambient light.

Once installed, the VPL-FH36 has excellent image capabilities and a long lifespan that delivers low Total Cost of Ownership. Sony's BrightEra technology improves and maintains colour purity throughout the life of the system by protecting the LCD panels against harmful ultra violet light. Clever features such as synchronised lamp and filter replacement cycles reduce costs and downtime.

Featuring the usual wide range of features, the VPL-FH36 can also edge blend (multiple projectors with seamless connection) and warping projection for retail and corporate signage applications. Other features include advanced projection capabilities such as side-by-side image projection and DICOM medical training; the VPL-FH36 is an obvious projector choice for venues that demand quality, unique installation locations and practicality.

Features

3 LCD WUXGA BrightEra Panel Technology

Sony's BrightEra Panel Technology gives more accurate colour rendition, higher brightness and longer lifespan for a lower Total Cost of Ownership.

Ultra High Resolution

The VPL-FH36's WUXGA (1920x1200) 16:10 format resolution delivers absolute best image quality.

Very High Brightness: 5,200 Lumens Colour Light Output

With very high brightness of 5,200 Lumens Colour Light Output, the VPL-FH36 gives a clearer image in high ambient light, making it highly suitable for larger venues.

Wide Zoom Range (x1.6) and Throw Ratio (1.4 to 2.3) as standard

The standard lens has a wide zoom capability and throw ratio, offering more flexibility over the positioning of the projector, which can be installed closer to or further away from the screen

Wide Lens Shift Range: Vertical: +60%, Horizontal: +/- 32%

The VPL-FH36's wide lens shift range means that the projector can be positioned closer to the ceiling, or horizontally offset to avoid ceiling obstacles.

Long Lamp Replacement Time: 2,500-3,500 hours (High/Std)

Longer lamp replacement time means fewer visits by maintenance personnel and lower Total Cost of Ownership.

Lamp/Filter Replacement Cycles Synchronised

Synchronised lamp and filter replacement effectively halves the number of visits needed to maintain the projector in peak operating condition.

Interchangeable Lenses: Z1024, Z1032

The VPL-FH36 allows you to choose different lenses for increased flexibility.

Edge Blend

Multiple VPL-FH36 projectors have the ability to project a single seamless image onto a screen (wall) creating an exciting visual event, or retail or corporate signage application.

Warping Projection

Warping projection allows the customer to adjust the corners and sides of a VPL-FH36 projected image to any convex or concave screen set up or wall for dynamic signage displays.

Side by Side Image Projection

Side by side twin image gives you the ability to project from two inputs (RGB + any other Input) at the same time, making the projector ideal for applications like video conferencing and DICOM medical training.

DICOM GSDF Simulation

The VPL-FH36 offers DICOM GSDF Simulation (HDMI with computer signals), which conforms to GSDF (Grayscale Standard Display Function) of medical standards for DICOM (Digital Imaging and Communication in Medicine).

Wide Range of Image Adjustments

This wide range of image adjustments allows the projector to be installed in almost any location. Where equipment is being upgraded, installers are more likely to be able to use existing mounts. In new installations, they are more likely to be able to work around existing obstructions.

User Panel Alignment

Pixel alignment shifts the entire image or desired range (H: 16 X V: 10 pixels) for complete colour correction.

Colour Matching

The VPL-FH36 offers brightness and colour matching adjustment to the original image for complete image accuracy.

Lower Operating Power Consumption than Previous Models

Lower operating power consumption helps reduce energy consumption and lowers running costs.

Specifications

Display system

Display system	3 LCD system
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Display device

Size of effective display area	0.76"(19.3 mm) x 3 BrightEra LCD Panel, Aspect ratio: 16:10
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Number of pixels	6,912,000 (1920 x 1200 x 3) pixels
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Projection lens*1

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

Type	Ultra high pressure mercury lamp
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Wattage	330 W type
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Recommended lamp replacement time*2

Lamp mode: High	2500 H
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Lamp mode: Standard	3500 H
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Filter cleaning / replacement cycle (Max.)*2

Filter cleaning / replacement cycle (Max.)	15000 H (Cleaning) Same as the lamp replacement is recommended
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Screen size*1

40" to 600" (1.02 m to 15.24 m)

Screen size (measured diagonally)

Light output

Lamp mode: High 5200 lm

Lamp mode: Standard 3900 lm

Color light output

Lamp mode: High 5200 lm

Lamp mode: Standard 3900 lm

Contrast ratio (full white / full black)*3

Contrast ratio (full white / full black)*3 2000:1

Displayable scanning frequency

Horizontal 14 kHz to 93 kHz

Vertical 47 Hz to 93 Hz

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, 1080/60p, 1080/50p, 1080/24p
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Color system

Color system	NTSC3.58, PAL, SECAM, NTSC4.43, PAL-M, PAL-N, PAL60
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Keystone correction (Max.)

Vertical	+/- 30 degrees
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Horizontal	+/- 30 degrees
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OSD language

OSD language	23-languages (English, Dutch, French, Italian, German, Spanish, Portuguese, Turkish, Polish, Russian, Swedish, Norwegian, Japanese, Simplified Chinese, Traditional Chinese, Korean, Thai, Vietnamese, Arabic, Farsi, Indonesian, Finnish, Hungarian)
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INPUT OUTPUT (Computer/Video/Control)

INPUT A	<p>RGB / YPbPr input connector: 5BNC (female)</p> <p>Audio input connector: Stereo mini jack</p>
INPUT B	<p>RGB input connector: Mini D-sub 15-pin (female)</p> <p>Audio input connector: Stereo mini jack (shared with INPUT C)</p>
INPUT C	<p>DVI-D input connector: DVI-D 24-pin (Single link), HDCP support</p> <p>Audio input connector: Stereo mini jack (shared with INPUT B)</p>
INPUT D	<p>HDMI input connector: HDMI 19-pin, HDCP support</p>
S VIDEO IN	<p>S video input connector: Mini DIN 4-pin</p> <p>Audio input connector: Pin jack (x2) (shared with VIDEO IN)</p>
VIDEO IN	<p>Video input connector: Pin jack</p> <p>Audio input connector: Pin jack (x2) (shared with S VIDEO IN)</p>
OUTPUT	<p>Monitor output connector*5: Mini D-sub 15-pin (female)</p> <p>Audio output connector*6: Stereo</p>

	mini jack (variable out)
REMOTE	RS-232C connector: D-sub 9-pin (female)
LAN	RJ-45, 10BASE-T/100BASE-TX
IR (Control S)	Control S input connector: Stereo mini jack

Acoustic noise

Lamp mode: Standard 35 dB

Operating temperature / Operating humidity

Operating temperature / Operating humidity 0°C to 40°C (32°F to 104°F) / 35% to 85% (no condensation)

Storage temperature / Storage humidity

Storage temperature / Storage humidity -20°C to +60°C (-4°F to +140°F) / 10% to 90% (no condensation)

Power requirements

Power requirements AC 100 V to 240 V, 4.6 A to 1.9 A, 50/60 Hz

Power consumption

AC 100 V to 120 V	Lamp mode: High: 460 W
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AC 100 V to 120 V	Lamp mode: High: 440 W
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Power Consumption (Standby Mode)

AC 100 V to 120 V	0.2 W (when "Standby mode" is set to "Low")
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AC 220 V to 240 V	0.3 W (when "Standby mode" is set to "Low")
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Power Consumption (Networked Standby Mode)

AC 100 V to 120 V	9.2 W (LAN) (when "Standby Mode" is set to "Standard")
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AC 220 V to 240 V	10.4 W (LAN) (when "Standby Mode" is set to "Standard")
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Standby Mode / Networked Standby Mode Activated

Standby Mode / Networked Standby Mode Activated	After about 10 Minutes
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Heat dissipation

AC 100 V to 120 V	1570 BTU/h
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AC 220 V to 240 V	1501 BTU/h
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Dimensions (W x H x D)

Dimensions (W x H x D) (without protrusions)	Approx. 390 x 134 x 463 mm (15 11/32 x 5 9/32 x 18 7/32 inches)
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Mass

Mass	Approx. 8.3 kg (18 lb)
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Supplied accessories

Remote commander	RM-PJ19
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Optional accessories

Replacement lamp	LMP-F331
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Projection lenses	VPLL-Z2009/Z1024/Z1032/2007
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Projection lens adapter	PK-F30LA1
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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 value is average.
*4	Available for VESA Reduced Blanking signal.
*5	From INPUT A and INPUT B.
*6	Works as an audio switcher function. Output from a selected channel; not available in standby.
Environmental notice for customers in the USA	Lamp in this product contains mercury. Disposal of these materials may be regulated due to environmental considerations. For disposal or recycling information, please contact your local authorities or see www.sony.com/mercury for additional information.

Gallery



