SONY
make**.**believe

VPL-FH500L

7,000 Lumens Colour Light Output WUXGA projector for high end display applications

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Ultra high brightness and low maintenance - great performance for any environment

The VPL-FH500L's outstanding portfolio of features allows it to offer class-leading projection performance even in the most challenging of environments. Its 7,000 Lumens Colour Light Output brightness, its zoom and its wide lens shift range, allow it to deliver the clearest image where other projectors would struggle - even in high ambient light.

Once installed, the VPL-FH500L 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 dual auto-switching lamps, and synchronised lamp and filter replacement cycles, reduce maintenance costs and downtime.

Featuring the usual wide range of inputs, an external monitor connection for the presenter's convenience, and advanced projection capabilities such as side-by-side image projection and DICOM medical training, the VPL-FH500L is the projector of choice for venues that demand the highest quality in the most practical, flexible form.

This product comes with PrimeSupport – fast, hassle-free repairs and a helpline offering expert technical advice. Which gives you the peace of mind that Sony is looking after your equipment, and your business.

Features

3LCD XGA 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-FH500L's WUXGA (1920x1200) 16:10 format resolution delivers absolute best image quality.

Ultra High Brightness: 7,000 Lumens Colour Light Output
With ultra high brightness of 7,000 Lumens Colour Light Output, the VPL-FH500L gives a very clear image in high ambient light, making it highly suitable for larger venues.

Wide Lens Shift Range: Vertical: +/-113%, Horizontal: +/- 63% (depending on optional lens)
The VPL-FH500L's wide lens shift range means that the projector can be positioned closer to the ceiling, or horizontally offset to avoid ceiling obstacles.

Interchangeable Lenses: PX30, PX40, FX50, FH300
The VPL-FH500L allows you to choose the characteristics of the projector's optics by selecting from a range compatible with previous models.

Dual Lamp Capacity, Auto-Switched, Giving Effective 6,000-8,000 Hours' (High/Std) Lamp Life
When a lamp reaches the end of its life, there's no downtime: the projector automatically switches to a second lamp, already in place, doubling the effective lamp life and halving the number of maintenance visits required, yielding 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. (Filters are provided with replacement lamp.)

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

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same time, making the projector ideal for applications like video conferencing and DICOM medical training.

DICOM GSDF Simulation

The VPL-FH500L 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-FH500L 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.

Technical Specifications

Display System	3 LCD System - BrightEra Inorganic Panels

Display Element	
Effective Display Size	0.95" (24.1mm) x 3, BrightEra, Aspect: 16:10
Effective Pixels	6,912,000 (1920 X 1200 X 3) Pixels

Projection Lens	
Zoom	Powered / Manual (Depends on lens)
Focus	Powered / Manual (Depends on lens)
Lens Shift	Powered
Light Source	High Pressure Mercury Lamp 330W
Recommended Lamp Replacement	Approx. 6000H (Lamp Mode: High) Approx. 8000H (Lamp Mode: Standard)
Filter Cleaning Cycle	Same time as Lamp Replacement
Screen Size	40 to 600 (1.02 to 15.24m) Depending on Lens
Luminous Flux (Brightness)	7000lm (Lamp Mode: High) 5600lm (Lamp Mode: Standard)
Colour Luminous Flux (Colour Brightness)	7000lm (Lamp Mode: High) 5600lm (Lamp Mode: Standard)
Contrast Ratio	2500:1
Speaker	No

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 (Resizing Display) Panel Display Resolution: 1920 X 1200 Dots
Video Signal Input	NSTC, PAL, SECAM, 480/60i, 567/50i, 480/60p, 576/50p, 720/60p 720/50p, 1080/60i, 1080/50i, 1080/60p 1080/50p, 1080/24p, 1080/30p
Colour System	NTSC3.58, PAL, SECAM, NTSC4.43, PAL-M, PAL-N, PAL60
V. Keystone Correction	Max. +/- 5 Degrees
OSD Language	20 languages (English, Dutch, Italian, German, Spanish, Portuguese, Turkish, Polish, Russian, Swedish, Norwegian, Japanese, Simplified Chinese Traditional Chinese, Korean, Thai, Vietnamese, Arabic, Persian)

Computer and Video signal input/output	
Operating Tempature (Operating Humidity)	0 to 40° C/32 to 104° F (35 to 85% (No Condensation))
Storage Temperature (Storage Humidity)	'-20 to 60° C/-4 to 140° F(10 to 90%)
Power Requirements	AC 100 to 240V, 4.9 to 2.0A, 50 / 60Hz
Input A	RGB / Y PB PR Connector: 5BNC (Female)
Input B	RGB Input Connector: Mini D-Sub 15 pin (Female)
Input C	DVI-D Input Connector: DVI-D 24 pin (Single Link), supported HDCP
Input D	HDMI Input Connector: Digital RGB/Y PB PR

Input E	Optional adaptor slot: (For HD-SDI/SDI Input Adaptor "BKM-FW16")
S Video In	S Video Input Connector: Mini DIN 4 pin
Video In	Video Input Connector: BNC
Output	Monitor Output Connector: Mini D-Sub 15 pin (Female)
Other Signal Input/ Output	RS-232C Connector: D-Sub 15 pin (Female) LAN Connector: RJ45, 10BASE-T/ 100BASE-TX Control S Input Connector: Stereo Mini Jack, Plug in power DC5V Control S Output Connector: Stereo Mini Jack

Power Consumption

AC100V	490W
AC240V	460W

Standby Mode Power Consumption

AC100V	11W (Standby Mode: Standard) 0.1W (Standby Mode: Low)
AC240V	10W (Standby Mode: Standard) 0.2W (Standby Mode: Low)

Heat Dissipation

AC100V	1672 BTU
AC240V	1569 BTU
Safety Regulations	WW Model
Body Colour	White / Grey
Standard Outside Dimensions	Approx. W 530 X H 213 X D 545 mm - W 20 7/8 H 8 3/8 X D 21 15/32
Weight	Approx. 20kg / 44 lbs 1oz

Supplied Accessories

RM-PJ19	Remote Commander (1), with batteries : Size AA (R6) / Approx. 18g / x 2
	AC Power Cord (1)
	Cable Clamps (2)
	Lens Installation Screws (4)
	Lens Hole Cover (1)
	Quick Reference Manual (1)
	Warranty Card (1) outside of box)
	Security Label (1)
	Operating Instructions: CD-ROM

Accessories

Warranty and Support Agreements

PrimeSupport Plus FPJ2E

An optional service offering that extends the duration of the included PrimeSupport cover by 2 years - achieving a total of 5 years' cover.

PrimeSupport Plus FPJ2EU

An optional service offering extending duration of included PrimeSupport cover by 2 years - achieving a total of 5 years' peace of mind. Also includes next business day delivery of loan unit.

PrimeSupport Plus FPJL

If the projector lamp fails, this optional service offering provides one free replacement lamp during the 3 years of PrimeSupport cover

PrimeSupport Plus FPJU

An optional service offering that provides a free next-business-day loan unit throughout the 3 years of PrimeSupport cover.

Brackets and Mounting Kits

PSS-630

Ceiling Mount Bracket for VPL-FH300 and VPL-FW300 projectors

Lenses

VPLL-FM22

Optional Fixed Lens For VPL-PX40

VPLL-Z4025

Middle Focus Zoom Lens for VPL-FH300 and VPL-FW300 projectors

VPLL-Z4015

Short Focus Zoom Lens for VPL-FH300 and VPL-FW300 projectors

VPLL-ZM102

Optional Zoom Lens for VPL-PX40

VPLL-Z4019

Standard Focus Zoom Lens for VPL-FH300 and VPL-FW300 projectors

VPLL-ZM32

Short Focus Zoom Lens for VPL-PX40 and VPL-PX35