SONY

VPL-FX500L

7,000 lumens XGA 3LCD Higher Installation projector



Overview

A versatile and ultra-bright BrightEra 3LCD 7,000 lumens installation projector with long life and low maintenance

Featuring a very wide range of lens-shift adjustment, and interchangeable lenses, this is a projector that installers can easily fit into awkward places, often reusing mounts and fixtures. The VPL-FX500L is so flexible that it can replace a very wide range of existing equipment.

Outstanding image quality is just one of the many benefits of Sony's 3LCD BrightEra technology. By reducing the effects of UV light, it lengthens panel life, brightens the image, and improves colour rendition.

Maintenance is kept to an absolute minimum. Automatic lamp-switching means that at the end of a lamp's working life, another one, already in place, is brought into use.

Synchronised lamp and filter cycles halve the required number of maintenance visits.

The VPL-FX500 is the perfect choice for venues that need an extremely bright projector with a high quality image and low maintenance costs

BrightEra 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 Brightness

Ultra high brightness for a clear image in high ambient light. Ideal for large venues

Wide Zoom Range as standard

Standard lens has wide zoom capability for more flexibility over positioning of projector, which can installed closer to or further back from the screen

Wide Lens Shift Range

Wide lens shift range means the projector can be positioned closer to the ceiling, or horizontally offset to avoid ceiling obstacles

Compatible with wide range of lenses

Choose the characteristics of the projector's optics by selecting the lens from a range compatible with previous models

Twin lamp system

A second lamp is built in to provide automatic back up. The two lamps can be alternately used.

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

Lower Power Consumption

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

Multiple Input Types

A wide range of inputs makes it easy to source presentations from almost any type of device including 1080p HD video and up to UXGA digitally from computers

Monitor output

External monitor output that allows presenters to see their slides and videos on a smaller screen in their field of view, so that they never have to turn their back on the audience

Wide Range of Image Adjustment

Wide range of image adjustment allows the projector to be installed in a much wider range of locations. Installers are more likely to be able to use existing mounts, or to work around existing obstructions

Features

3LCD XGA BrightEra Panel with enhanced UV protection to reduce the effect of heating on the LCD panel

Ultra high brightness: 7,000 ANSI Lumens

Standard Lens has wide Manual Zoom

Wide lens shift range: Vertical: +/- 96%, Horizontal: +/- 64% (depending on optional lens)

Compatible with lenses from PX30, PX40, FX50, FH300

Twin lamp system

Filter maintenance synchronised with lamp replacement

Lower operating power consumption than previous models

Wide range of inputs for a variety of source devices

D-Sub15 output for external monitor connection

Wide range of image adjustment

Specifications

Display System	
Display System	3 LCD system

Display device	
Size of effective display area	0.99" (25.0 mm) x 3 BrightEra LCD Panel, Aspect ratio: 4:3
Number of pixels	2,359,296 (1024 x 768 x 3) pixels

Projection lens	
Focus	Powered / Manual (Depend on lens)
Zoom - Powered/Manual	Powered / Manual (Depend on lens)
Lens shift - Powered/Manual	Powered / Manual (Depend on lens)

Light source	
Type	Ultra high pressure mercury lamp
Wattage	330 W type
System	Twin lamp system

Recommended lamp replacement time *1	
Lamp mode: High	6000 H (With twin lamp sequence use)
Lamp mode: Standard	8000 H (With twin lamp sequence use)

Filter cleaning / replacement cycle (Max.) *1	
Filter cleaning / replacement cycle (Max.)	Same as the lamp replacement

Screen size	
Screen size	40” to 600” (1.02 m to 15.24 m) (measured diagonally) (Depend on lens)

Light output	
Lamp mode: High	7000 lm
Lamp mode: Standard	5600 lm

Color light output	
Lamp mode: High	7000 lm
Lamp mode: Standard	5600 lm

Contrast ratio (full white / full black) *2	
Contrast ratio (full white / full black)	2500:1

Displayable scanning frequency	
Horizontal	14 kHz to 93 kHz
Vertical	47 Hz to 93 Hz

Display resolution	
Computer signal input	Maximum display resolution: UXGA 1600 x 1200 dots*3
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

Color system	
Color system	NTSC3.58, PAL, SECAM, NTSC4.43, PAL-M, PAL-N, PAL60

Keystone correction (Max.)	
Vertical	+/- 30 degrees

OSD language	
OSD language	20-languages (English, Dutch, French, Italian, German, Spanish, Portuguese, Turkish, Polish, Russian, Swedish, Norwegian, Japanese, Simplified Chinese, Traditional Chinese, Korean, Thai, Vietnamese, Arabic, Persian)

INPUT OUTPUT (Computer/Video/Control)	
INPUT A	RGB / Y PB PR input 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
S VIDEO IN	S-video input connector: Mini DIN 4-pin
VIDEO IN	Video input connector: BNC
OUTPUT	Monitor output connector*4: Mini D-sub 15-pin (female)
REMOTE	RS-232C connector: D-sub 9-pin (female)
LAN	RJ-45, 10BASE-T/100BASE-TX
Control S	Control S input connector: Stereo mini jack, Plug in power DC 5V Control S output connector: Stereo mini jack
Composite Video In	BNC

Acoustic noise	
Lamp mode: Standard	31 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, 4.8 A to 2.0 A, 50 Hz / 60 Hz

Power consumption	
AC 100 V to 120 V	Lamp mode: High: 480 W
AC 220 V to 240 V	Lamp mode: High: 460 W

Power Consumption (Standby Mode)	
AC 100 V to 120 V	0.1 W (when “Standby mode” is set to “Low”)
AC 220 V to 240 V	0.2 W (when “Standby mode” is set to “Low”)

Power Consumption (Networked Standby Mode)	
AC 100 V to 120 V	13.0 W (LAN) (when "Standby Mode" is set to "Standard")
AC 220 V to 240 V	12.0 W (LAN) (when "Standby Mode" is set to "Standard")

Standby Mode / Networked Standby Mode Activated

Standby Mode / Networked Standby Mode Activated	After about 10 Minutes

Heat dissipation

AC 100 V to 120 V	1638 BTU/h
AC 220 V to 240 V	1569 BTU/h

Dimensions (W x H x D)

Dimensions (W x H x D) (without protrusions)	Approx. 530 x 204 x 545 mm (20 7/8 x 8 1/32 x 21 15/32 inches)

Mass

Mass	Approx. 20 kg (44 lb)

Supplied accessories

Remote commander	RM-PJ19

Optional Accessories

Replacement lamp	LMP-F330
Projection lenses	VPLL-4008/Z4007/Z4011/Z4015/Z4019/Z4025/Z4045/FM22/ZM32/ZM42/ZP41/ZM102/ZM1
Projection lens adapter	PK-F500LA1, PK-F500LA2

Electrical Specifications

Native Resolution	XGA: 1024 x 768 Pixels
Acceptable Computer Signals	fH: 14 to 93 kHz fV: 47 to 93 Hz
Acceptable Video Signals	NTSC, PAL, SECAM, 480/60i, 576/50i, 480/60p, 576/50p, 720/60p, 720/50p, 1080/60i, 1080/50i, 1080/60p, 1080/50p
Safety Regulations	UL60950-1 2nd Edition, cUL(no 60950-1 2nd Edition), FCC/IC Class A, CE EN60950-1 2nd Edition (LVD, EMC), C-Tick, JIS C 61000-3-2, GOST-R

Notes

*1	The figures are the expected maintenance time and not guaranteed. They will depend on the environment or how the projector is used.
*2	The value is average.
*3	Available for VESA Reduced Blanking signal.
*4	From INPUT A and INPUT B.

Notes	
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.

Information on EU Data Act: Click here to check if your Sony product and/or related service is subject to the EU Data Act.

Gallery















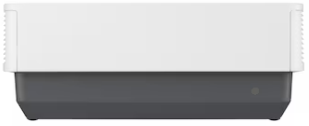





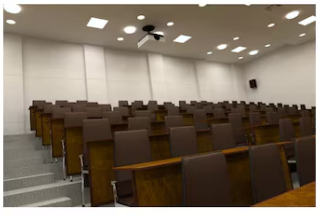



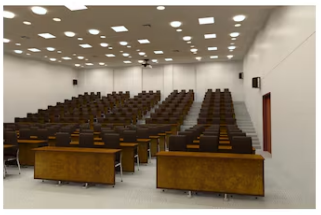

























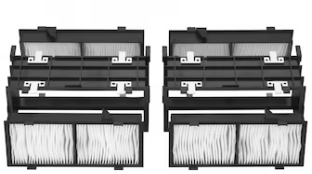



























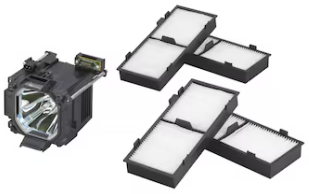



© 2004 - 2026 Sony Corporation. All rights reserved. Reproduction in whole or in part without written permission is prohibited. Features and specifications are subject to change without notice. The values for mass and dimension are approximate. All trademarks are the property of their respective owners.

Export PDF : November 28 2026