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VPL-EX100

An energy-efficient 2300 Lumen XGA projector

The core strengths of Sony's E-Series projectors are performance, convenience and economy. The VPL-EX100 delivers these with exceptional image quality at a low cost of ownership.

The 1.3 – 1.82 throw ratio and 1.3 times optical zoom allows the VPL-EX100 to be installed in a wide range of environments and, where possible, can even re-use existing ceiling suspensions.

A long lamp life, (up to 6000 hours) and synchronised lamp and filter change means a reduction in maintenance costs and gives you exceptionally low levels of down-time.

With a single push of the New ECO MODE button on the projector itself, (or the supplied Remote Commander™), users can switch simply to the eco settings. The VPL-EX100 has three brightness modes (High, Standard and Low) allowing the user to control the brightness and power consumption of the projector to suit the environment and conditions they are in.

Sony has unrivalled experience in projector design and manufacture for the home, business, education and in the cinema. Simple to maintain and with direct controls for all power modes, the E-series range of projectors from Sony are picture-perfect choice for smart boardrooms and classrooms.

PrimeSupport

All Sony business projectors come supplied with a 3-year support pack which offers unique extra services and benefits

- 3 years' cover
- Free telephone helpdesk support in English, German, French, Italian and Spanish.
- Collection and delivery anywhere in EU, Norway and Switzerland.

Features

Eco Mode Key
Users can easily select power-saving Eco Modes. The most energy-efficient mode is accessible though a single button-push, and further adjustments are available through an easily-understood menu system.

Front Exhaust
With a front exhaust system, users sitting behind the projector are not affected by expelled hot air and fan noise.

Easy to operate control panel layout
The VPL-EX100's control panel is on top of the device for easy operation, with large, easy-to-locate controls.

Built-in upward beam angle and keystone adjustment
Normally, the front angle of a projector has to be adjusted to raise the beam to the screen. In the VPL-EX100, this initial adjustment is built-in and includes a corresponding keystone adjustment, saving two setup stages.

Automatic Keystone Adjustment
The projector can detect keystone distortion and can correct it automatically. (Note that since this is an electronic correction, it will reduce the picture quality slightly).

Smart APA (Auto Pixel Alignment)
When a computer is used as a picture source, APA automatically optimises Phase, Pitch and Shift values. These can also be adjusted manually.

Auto Input Search
Auto Input Search detects which input has an incoming signal, and automatically switches to it. This makes it easier for users to set up the projector prior to making a presentation.

Picture Muting
If the picture needs to be turned off, all it takes is a single button-press on the remote control. This will mute audio at the same time. There is also a separate "mute audio" button for audio-only muting.

Audio switcher facility

To avoid the need for a separate audio switcher, the projector can be used to select between two audio sources, routing them via a variable audio output to the room amplification system.

Picture Freeze Function

Picture Freeze is useful during presentations if you need to look at other material on your PC's screen without the viewing audience being aware. Freeze the current image, and you can use your PC independently of the display from the projector

Digital Zoom

With Digital Zoom, if you are displaying a computer-sourced image, you can enlarge a selected area of the screen image by up to four times.

Filter replaced at the same time as lamp

The filter only needs to be changed when a new lamp is fitted, potentially halving disruption due to maintenance.

Multiple Picture Modes

The VPL-EX100 has six picture modes (Dynamic, Standard, Game, Living, Cinema and Presentation) that can be selected to suite the nature of the source material.

Built-in security measures

The VPL-EX100 has a package of security measures, including password protection, and physical anti-theft anchor points.

Off and Go

At the end of a presentation, you can turn off the power supply to the projector immediately, instead of going through a "power down" cycle.

Direct Power On/Off

With this function, there is no need to go through "Standby" mode when powering up the projector. The projector can be set to activate as soon as power is applied.

Technical Specifications

Display system	
	3 LCD system

Display device	
Size of effective display area	0.63 inches (16.0 mm) x 3, BrightEra, Aspect ratio: 4:3
Number of pixels	2,359,296 (1024 x 768 x 3) pixels

Projection lens	
Zoom	Manual (Approx. 1.3 x)
Focus	Manual

Light source	
	High-pressure mercury lamp 210 W type

Recommended lamp replacement time*1	
	3000 H / 4500 H / 6000 H (Lamp mode: High / Standard / Low)

Filter cleaning cycle	
	Max. 6000 H*1 / Same time as the lamp replacement is recommended

Screen size	
	30 inches to 300 inches (0.762 m to 7.62 m)*2

Light output (Lamp mode: High / Standard / Low)	
	2300 lm / 1800 lm / 1500 lm

Color light output	
	2300 lm / 1800 lm / 1500 lm

Contrast ratio (full white / full black)*3	
	2200:1

Speaker	
	1 W x 1 (monaural)

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

Display resolution	
Computer signal input	Maximum input signal resolution: 1600 x 1200 (resizing display), Panel display resolution: 1024 x 768 pixels
Video signal input	NTSC, PAL, SECAM, 480/60i, 576/50i, 480/60p,576/50p, 720/60p, 720/50p, 1080/60i, 1080/50i

Color system

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

Keystone correction

	Vertical: Max. +/- 30 degrees*4

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)

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	RGB input connector: Mini D-sub-15 pin (female), Audio input connector: Stereo mini jack
S VIDEO IN	S video input connector: Mini DIN-4 pin, Audio input connector: Pin jack (x2) (shared with VIDEO IN)
VIDEO IN	Video input connector: Pin jack, Audio input connector: Pin jack (x2) (shared with S VIDEO IN)
OUTPUT	Monitor output connector*5: Mini D-sub-15 pin (female), Audio output connector*6: Stereo mini jack (variable out)

Other signal input/output

	RS-232C connector: D-sub 9-pin (female)

Operating temperature (Operating humidity)

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

Storage temperature (Storage humidity)

	-20°C to +60°C / -4°F to +140°F (10% to 90%)

Power requirements

	AC 100 V to 240 V, 3.3 A to 1.3 A, 50 Hz /60 Hz

Power consumption

AC 100 V to 120 V	300 W / 265 W / 235 W
AC 220 V to 240 V	290 W / 255 W / 225 W

Standby mode power consumption

AC 100 V to 120 V	8W/
AC 220 V to 240 V	10W/

Heat dissipation

AC 100 V to 120 V	1023 BTU
AC 220 V to 240 V	989 BTU

Standard outside dimensions

	W 313.4 x H 129.6 x D 278.3 mm (W 12 11/32 x H 5 3/32 x D 10 31/32 in)
	W 313.4 x H 114.1 x D 269 mm (W 12 11/32 x H 4 1/2 x D 10 19/32 in) (without protrusion)

Mass

	3.2 kg / 7 lb 0.88 oz

Supplied Accessories

RM-PJ Remote Commander	
Lithium Battery: CR2025	
Mini D-sub 15 pin cable	
Lens Cap	
Operating Instructions	
Quick Reference Manual	
AC Power Cord	