SONY

VPL-EX242

3,200 lumens Portable projector with wireless connectivity

Overview

Delivers a full range of brightness options to meet virtually any type of education or business projection environment The VPL-EX242 data projector is economically designed for optimum energy efficiency, thanks to its Auto Power Saving function with lamp control technology, energy saving design, and long-lasting lamp. Additionally a variety of network functions such as Web Control and Network Presentation can be performed. Rich inputs and outputs are provided, to suit a broad range of applications. The VPL-EX242 provides high picture quality in native XGA resolution with high brightness up to 3200 lumens. Delivering superb images along with simple operation, Sony' s VPL-EX242 provides an excellent balance between quality and cost, ideal for use in education or business.

Features

- **Brilliant colour performance with 1.3x optical zoom lens**

  The projector adopts a 3LCD projection system incorporating three LCD panels. This system enables each projector to present bright and natural images. By combining an advanced generation of inorganic LCD panels that utilise Sony's BrightEra™ technology with a 3LCD projection system, the projector offers high picture quality and brightness.

- **12-bit 3D gamma correction and I/P conversion and film mode**

  The projector incorporates 12-bit 3D gamma correction circuitry to perform highly accurate gamma correction, achieving smoother gradations and a richer grey scale. Smooth, high-quality images are reproduced using a high performance processor for I/P conversion. Source signals suitable I/P conversion are processed automatically, and extremely accurate images are reproduced.

- **Auto power saving functions**

  The brightness of the lamp's output is automatically adjusted depending on the brightness of the projected image, to avoid unnecessary power consumption. After 10 seconds of a static signal feed, the lamp dims by approximately 15%, which is hardly noticeable. If one of these projectors is left powered on while not in use, after a set period of time it will automatically detect no change of signal input and will dim the lamp to as low as approximately 30% of original brightness to significantly reduce energy consumption. The projector can also temporarily disable video signal output.

- **Long-lasting lamp and energy saving design**

  By incorporating high-performance lamp and advanced lamp-control technology, the projector offers a recommended lamp replacement time of 7,000 hours (in low mode). The projector offers remarkably low power consumption, allowing users to make significant savings on their electricity expenses. With a single push of the ECO MODE key on either the projector or the supplied Remote Commander™ unit, user can select an energy-saving setting from the ECO Mode menu.

- **Lamp and filter synchronised maintenance**

  The expected lamp maintenance time for each model can reach up to 7,000 hours depending on the selected lamp mode, and dust filters require the same maintenance interval. Synchronizing the timing of lamp and filter maintenance enables users to reduce the numbers of "ladder climbs" for maintenance.

- **Convenient, simple projector adjustment**

  The projector's 1.3x flexible standard zoom lens allows the projector to fit wide range of installations, and simplifies replacement of an existing projector.

- **Multiple inputs and outputs**

  The projector includes a high wattage speaker (16 W) and a variety of interfaces (2xRGB, HDMI, S-Video, RS - 232C, RJ-45, USB Type-A, USB Type-B, and Microphone inputs) that accept a wide variety of inputs signals, greatly expanding system connection possibilities.

- **Variety of network functions – via LAN cable or wirelessly**

  When the projectors are installed in a local area network (LAN), their versatile network functions are available to any PC on that network. Installation can be via a LAN cable, and there is no need to install additional software on the PC. Up to four users can project PC images simultaneously; up to eight users (seven for wireless) can connect to one projector. The wireless presentation capability makes it easy to present files from your tablet device or smartphone. You can project jpg, pdf, PowerPoint, and other supporting formats (with a simple software download from Pixelworks), By attaching a USB memory device (not included), the operator can directly project data files stored on the USB memory device.

- **Closed captioning**

  Official teletext broadcasting, developed by the NCI, USA.

Technical Specifications

Generic Specifications	
Display system	3 LCD system
Display device : Size of effective display area	0.63” (16.0 mm)
Display device : Number of pixels	XGA (1024 x 768)
Display device : Aspect ratio	4:3
Projection lens : Focus	Manual
Projection lens : Zoom > Powered / Manual	Manual
Projection lens : Zoom > Ratio	Approx. 1.3 x
Projection lens : Lens shift > Powered / Manual	–
Projection lens : Lens shift > Range > Vertical	–
Projection lens : Lens shift > Range > Horizontal	–
Projection lens : Throw ratio	1.37:1 to 1.80:1
Light source : Type	Lamp
Light source : Wattage	210 W type
Light source : System	–
Recommended lamp replacement time(The figures are the expected maintenance time and not guaranteed. They will depend on the environment or how the projector is used) : Lamp mode: High	3000 H
Recommended lamp replacement time(The figures are the expected maintenance time and not guaranteed. They will depend on the environment or how the projector is used) : Lamp mode: Standard	5000 H
Recommended lamp replacement time(The figures are the expected maintenance time and not guaranteed. They will depend on the environment or how the projector is used) : Lamp mode: Low	7000 H
Recommended lamp replacement time(With two lamp sequential use) : Filter cleaning / replacement cycle(The figures are the expected maintenance time and not guaranteed. They will depend on the environment or how the projector is used) (Max.)	7000 H(Same time as the lamp replacement is recommended) (cleaning)
Screen size	30” to 300”
Screen size	(0.76 m to 7.62 m)
Light output : Lamp mode: High	3200 lm
Light output : Lamp mode: Standard	2200 lm(The values are estimatel)
Light output : Lamp mode: Low	1700 lm(The values are estimatel)
Color light output : Lamp mode: High	3200 lm
Color light output : Lamp mode: Standard	2200 lm(The values are estimatel)
Color light output : Lamp mode: Low	1700 lm(The values are estimatel)
Contrast ratio (full white / full black)(This value is average)	3000:1
Input : Composite video > BNC	–
Input : Composite video > Pin Jack	1

Input : S video > Mini DIN 4-pin	1
Input : Computer > 5BNC	–
Input : Computer > Mini D-sub 15-pin	2
Input : Component	–
Input : DVI-D (HDCP)	–
Input : HDMI (HDCP)	1
Input : Audio > Pin Jack (L/R)	–
Input : Audio > Stereo mini jack	–
Option board slot	–
Output : Monitor > Mini D-sub 15-pin	1(From INPUT A and INPUT B)
Output : Audio(Works as an audio switcher function. Output from a selected channel; not available in standby) > Stereo mini jack	–
I/O, Control, Others : RS-232C > D-sub 9-pin	1 (male)
I/O, Control, Others : LAN > RJ-45, 10BASE-T/100BASE-TX	1
I/O, Control, Others : IR (Control S) input > Stereo mini jack, Plug in power DC 5 V	–
I/O, Control, Others : IR (Control S) output > Stereo mini jack	–
I/O, Control, Others : USB > Type A	1
I/O, Control, Others : USB > Type B	1
I/O, Control, Others : Microphone input > Mini jack	–
I/O, Control, Others : Wireless	IFU-WLM3(Option)(Connect to USB Type-A terminal)
Speaker	–
Keystone correction (Max.)(Depends on resolution) : Vertical	+/- 30°
Keystone correction (Max.)(Depends on resolution) : Horizontal	–
Power requirements	AC 100 V to 240 V
Power requirements	2.8 A to 1.2 A, 50/60 Hz
Power consumption : AC 100 V to 120 V > Lamp mode: High	273 W
Power consumption : AC 100 V to 120 V > Lamp mode: Standard	224 W(The values are estimatel)
Power consumption : AC 100 V to 120 V > Lamp mode: Low	194 W(The values are estimatel)
Power consumption : AC 220 V to 240 V > Lamp mode: High	265 W
Power consumption : AC 220 V to 240 V > Lamp mode: Standard	216 W(The values are estimatel)
Power consumption : AC 220 V to 240 V > Lamp mode: Low	188 W(The values are estimatel)
Standby mode power consumption : AC 100 V to 120 V > Standard	5.9 W
Standby mode power consumption : AC 100 V to 120 V > Low	0.5 W
Standby mode power consumption : AC 220 V to 240 V > Standard	5.9 W

Standby mode power consumption : AC 220 V to 240 V > Low	0.5.W
Heat dissipation : AC 100 V to 120 V	932 BTU
Heat dissipation : AC 220 V to 240 V	904 BTU
Dimensions (W x H x D) (without protrusions)	365 x 96.2 x 252 mm
Dimensions (W x H x D) (without protrusions)	14 3/8 x 3 25/32 x 9 29/32 in
Mass	3.8 kg / 8 lb 4 oz
Supplied accessories : Remote commander	RM-PJ8
Supplied accessories : Wireless LAN Module	–
Optional accessories : Replacement lamp	LMP-E212
Optional accessories : Projection lenses	–
Optional accessories : Projection lens adapter	–
Optional accessories : Interactive pen device	–
Optional accessories : Wireless LAN Module	IFU-WLM3

Accessories

Lamps

LMP-E212

Replacement Lamp for the VPL-S500, VPL-S200 and VPL-E200 Series

Other Accessories

IFU-WLM3

USB wireless LAN module