SONY

VPL-EX290

3,800 lumens XGA portable projector with wireless connectivity



Overview

Bring learning to life with this bright, energy-efficient, wireless-ready portable projector that has been designed in consultation with teachers and made for today's classrooms

Combining superb XGA image quality with smart energy-efficient features, the VPL-EX290 portable projector enhances learning with powerful presentations that really stand out. Simple to use and wireless ready, the projector is ideal for maximising student engagement in today's networked classrooms, making it your ideal partner throughout the busy school day.

Sony BrightEra™ panel technology assures clear pictures in any conditions, from daylight to darkened classrooms. Plenty of interfaces allow easy connection, while a choice of Picture Modes optimises viewing with any source – slide presentations, PC documents, pictures or videos. Adding an optional Wi-Fi module lets students and teachers wirelessly share homework, images and graphics from mobile devices like smartphones and tablets. There's a wide range of smart energy-saving features built in. And with a recommended lamp replacement time of 10,000 hours, downtime and maintenance costs are minimised.

Features

Energy efficient with long-lasting lamp of 10,000 hours
The lamp driver optimally controls the wattage of the lamp and achieves a long-lasting lamp time of 10,000* hours. The recommended lamp replacement time is extended by 43%, compared to the previous model.
*Lamp mode: low, Complies with IEC61947 standard

Advanced energy-saving features
Advanced lamp technology enables robust energy-saving features. For example, greater brightness control in Auto Light Dimming mode saves considerable energy when the projector is left on without being used. During projection, Auto Lamp Mode automatically adjusts light output to suit the projected scene. When you need to mute the picture temporarily, light output can be completely deactivated to minimise energy consumption.

High image quality 3LCD BrightEra™ natural and vivid colour images
XGA (1024 x 768) 4:3 screen resolution, 3LCD BrightEra™ natural and vivid colour images, plus various Picture Modes for optimising image quality, make the projector one of the best in its class. Thanks to the optical system projecting three basic colours constantly, the projector offers excellent light efficiency, ensuring colourful and bright images. Sony's BrightEra™ panels deliver improved panel light resistance, higher resolution, high brightness and increased panel reliability. High colour reproducibility is important especially when using colourful content, such as materials used in classrooms.

Various picture modes for optimal picture quality

The projector has six available picture modes for correct picture quality: Dynamic, Standard, Presentation, Blackboard, Game, and Cinema. With six picture modes and three brightness modes combined, the user can select the most suitable picture/brightness combination according to the picture source and environment, to create the optimal image.

Network presentation (LAN/Wireless LAN)
When the projector is installed in a LAN, presentations can be projected from any PC and Mac on the network. A tablet or smartphone can be connected at the same time. You can project jpg, pdf and other supported formats. Up to four users can project PC/Mac images simultaneously, while up to eight users can connect to one projector. For PC/Mac, an application, Projector Station for Network Presentation, is provided. For a tablet/smartphone, an application is provided by Pixelworks, downloaded from the web. For details, please visit:
http://PWPresenter.pixelworks.com

Remote control for iOS device
Projector Remote is a simple remote control application for Sony's projectors. Networked projectors can be controlled by this remote application. Remote Control allows you to operate the projector with simple and easy-to-read buttons.

USB display
The projector allows you to display pictures and audio* with one USB cable. You do not need to install any driver for this function. It is a convenient way to connect to the projector when you want to connect easily.

* There is a time lag in video and audio. When not in simple use, it is recommended to use Line-in or HDMI-in.

Input Label
The input label, which appears in the input menu on screen, can be customised. This gives users a clear understanding of which equipment is connected.

Specifications

Display System	
Display System	3 LCD system

Display device	
Size of effective display area	0.63”(16 mm) x 3 BrightEra LCD Panel, Aspect ratio: 4:3
Number of pixels	2,359,296 (1024x768 x 3) pixels

Projection lens	
Focus	Manual
Zoom - Powered/Manual	Manual
Zoom - Ratio	Approx. x 1.6
Throw Ratio	1.40:1 to 2.27:1

Light source	
Type	Ultra high pressure mercury lamp

Light source	
Wattage	210 W type

Recommended lamp replacement time*1	
Lamp mode: High	4000 H
Lamp mode: Standard	6000 H
Lamp mode: Low	10000 H

Filter cleaning / replacement cycle (Max.)*1	
Filter cleaning / replacement cycle (Max.)	7000 H (cleaning)

Screen size	
Screen size	30” to 300” (0.76 m to 7.62 m)(measured diagonally)

Light output	
Lamp mode: High	3800 lm
Lamp mode: Standard	2700 lm
Lamp mode: Low	2100 lm

Color light output	
Lamp mode: High	3800 lm
Lamp mode: Standard	2700 lm
Lamp mode: Low	2100 lm

Contrast ratio (full white / full black)*2	
Contrast ratio (full white / full black)	3300:1

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

Display resolution	
Video signal input	NTSC, PAL, SECAM, 480/60i, 576/50i, 480/60p, 576/50p, 720/60p, 720/50p, 1080/60i, 1080/50i, The following items are available for digital signal (HDMI input) only; 1080/60p, 1080/50p

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

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

OSD language	
OSD language	24-languages (English, Dutch, French, Italian, German, Spanish, Portuguese, Turkish, Polish, Russian, Swedish, Norwegian, Japanese, Simplified Chinese, Traditional Chinese, Korean, Thai, Vietnamese, Arabic, Farsi, Finnish, Indonesian, Hungarian, Greek)

INPUT OUTPUT (Computer/Video/Control)	
INPUT A	RGB / Y PB PR input connector: Mini D-sub 15-pin (female)
INPUT B	RGB input connector: Mini D-sub 15-pin (female)
INPUT C	HDMI input connector: HDMI 19-pin, HDCP support
S VIDEO IN	S video input connector: Mini DIN 4-pin
VIDEO IN	Video input connector: Pin jack
OUTPUT	Monitor output connector*4: Mini D-sub 15-pin (female)
REMOTE	RS-232C connector: D-sub 9-pin (male)
LAN	RJ-45, 10BASE-T/100BASE-TX
USB	Type-A
USB	Type-B

Acoustic noise	
Lamp mode: Low	30 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, 2.8A to 1.2 A, 50 Hz / 60 Hz

Power consumption	
AC 100 V to 120 V	Lamp mode: High: 278 W
AC 220 V to 240 V	Lamp mode: High: 269 W

Power Consumption (Standby Mode)	
AC 100 V to 120 V	0.5 W (when “Standby mode” is set to “Low”)
AC 220 V to 240 V	0.5 W (when “Standby mode” is set to “Low”)

Power Consumption (Networked Standby Mode)	
AC 100 V to 120 V	5.0 W (LAN) 5.6 W (optional WLAN module) 5.8 W (All Terminals and Networks Connected) (when "Standby Mode" is set to "Standard")
AC 220 V to 240 V	5.0 W (LAN) 5.9 W (optional WLAN module) 6.0 W (All Terminals and Networks Connected) (when "Standby Mode" is set to "Standard")

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

Wireless Network(s) On/Off Switch	
Wireless Network(s) On/Off Switch	1) Press the MENU button, then select [Connection/Power] 2) [WLAN Settings] 2) [WLAN Settings] 4) Select On or Off

Heat dissipation	
AC 100 V to 120 V	949 BTU/h
AC 220 V to 240 V	918 BTU/h

Dimensions (W x H x D)	
Dimensions (W x H x D) (without protrusions)	Approx. 365 x 96.2 x 252 mm (14 3/8 X 3 25/32 X 9 29/32 inches)

Mass	
Mass	Approx. 3.8 kg (8 lb)

Supplied accessories	
Remote commander	RM-PJ8

Optional Accessories	
Optional Lamp	LMP-E212
Wireless LAN module	IFU-WLM3

Notes	
*1	This figure is expected maintenance time, not guaranteed time. The actual value depends on the environment and how the projector is used.
*2	The value is average.
*3	Available for VESA Reduced Blanking signal.
*4	From INPUT A and INPUT B.
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







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