

VPL-EW345

4,200 lumens WXGA high brightness compact projector



Overview

Present clear, bright images in larger rooms, plus flexible connectivity and low running costs

The VPL-EW345 projector is ideal for mid-sized and larger classrooms and meeting rooms.

Quiet, compact and powerful, it delivers bright, detail-packed WXGA images with 4,200 colour light output that can be seen clearly even in bright rooms, with Sony's 3LCD technology assuring natural, vivid colours.

The VPL-EW345 is an ideal partner for today's integrated AV/IT environments, expanding your connectivity options with dual HDMI ports and Direct USB Display connection. A convenient input label function makes life simpler, confirming on screen the name of connected devices.

Add the VPL-EW345 to a network and see presentations from up to four connected PC/Mac computers simultaneously. Slip in an optional Wi-Fi dongle and present directly wirelessly from laptops, phones or tablets. Control the projector remotely with a free app for smartphones and tablets. You don't even need to bring a PC to meetings - just slip in a USB thumb drive and start presenting.

A range of energy-saving features and long-lasting lamp life contribute to low ownership costs. Maintenance is simplified by a new rear lamp access feature.

Features

- **Bright, clear images with maximum 4,200 lumens colour light output**

With a 4,200 lumen maximum light output (in high mode), the VPL-EW345 delivers crisp, bright presentations that can be seen clearly in larger classrooms or meeting rooms. There's a choice of three brightness modes to suit any environment, from bright daylight to darkened rooms.

- **3LCD BrightEra™ technology**

The efficient 3LCD panel system is enhanced by advanced BrightEra™ technology for impressively bright, consistent, high resolution images with excellent colour accuracy and impressive reliability.

- **WXGA resolution**

WXGA (1280 x 800) 16:10 display resolution gives plenty of crisp detail: ideal for making presentations direct from a laptop, mobile device or DVD player.

- **Powerful 16W audio**

The powerful built-in 16W speaker (mono) lets your audiences hear video soundtracks with no need for additional amplification.

- **Energy efficient with long-lasting lamp life up to 10,000 hours**

High-performance lamp technology offers reduced ownership costs plus reduced maintenance, with a long-lasting lamp replacement time of approx. 10,000 hours (with brightness in low mode).

- **Advanced energy-saving features**

Advanced lamp technology enables a range of energy-saving features. Auto Light Dimming mode saves energy when the projector is left on without being used. Auto Picture Mode automatically adjusts light output to suit the projected scene. Touching a button on the remote mutes the picture temporarily, dramatically reducing power consumption.

- **Quick go**

Don't waste time when you're in a hurry to leave the room: turn off the projector and unplug immediately, with no lengthy waiting for cool-down.

- **Networked presentations**

Project presentations from a networked PC or Mac. Present JPEG, PDF and other files wirelessly from a tablet or smartphone. Up to four users can project PC/Mac images simultaneously, while up to eight users can connect to one projector. The Projector Station for Network Presentation application for Windows/Mac is included. For tablet/smartphone use, an application is provided by Pixelworks, downloaded from the web. For details visit <http://PWPresenter.pixelworks.com>

- **Control and management from any networked PC**

Projector functions and status can be managed and monitored remotely from any networked PC, using the included Projector Station for Network Control application.

- **Present wirelessly**

Make presentations wirelessly from a portable or handheld device. (Microsoft Windows / Macintosh OS requires Projector Station for Network Presentation application. iOS / Android requires VueMagic application.)

- **Remote Control app for iOS/Android**

Download the free Projector Remote app and control the projector from anywhere in the room with your handheld device, with simple easy-to-read buttons on your phone or tablet screen.

- **USB media viewer**

Slip in a USB drive and display photos, images and graphics with no PC needed.

- **Dual HDMI inputs**

Two HDMI input terminals make it easy to connect HDMI-equipped devices like PCs and media streaming devices.

- **USB Display function for easy one-cable PC connection**

Present pictures and audio* from a connected PC or Mac with just one USB cable - you don't even need to install a software driver.

* There may be a time lag between video and audio. For low-latency applications it is recommended to use projector's line-in or HDMI-in connection.

- **Customised input naming labels**

Define your own input labels like 'BD Player', 'PC' and 'Document Camera', making it easier to see on screen what devices are connected and being used.

- **Easier maintenance**

Lamp access has been shifted to the rear of the projector body, making lamp swaps simpler when the projector is hanging from a ceiling mount.

- **Quiet operation**

Low fan noise ensures discreet, unobtrusive operation in classrooms and meeting rooms.

Technical Specifications

Display System		
<div><div></div>Display System</div>	3 LCD system	

Display device		
<div><div></div>Size of effective display area</div>	0.75" (19 mm) x 3 BrightEra LCD Panel, Aspect ratio: 16:10	
<div><div></div>Number of pixels</div>	3,072,000 (1280x800 x 3) pixels	

Projection lens		
<div><div></div>Focus</div>	Manual	
<div><div></div>Zoom - Powered/Manual</div>	Manual	
<div><div></div>Zoom - Ratio</div>	Approx. x 1.6	
<div><div></div>Throw Ratio</div>	1.10:1 to 1.79:1	

Light source		
<div><div></div>Type</div>	Ultra high pressure mercury lamp	
<div><div></div>Wattage</div>	225 W type	

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

Filter cleaning / replacement cycle (Max.)		
<div><div></div>Filter cleaning / replacement cycle (Max.)</div>	10,000 H	

Screen size		
<div><div></div>Screen size</div>	30" to 300"(0.76 m to 7.62 m) (measured diagonally)	

Light output		
<div><div></div>Lamp mode: High</div>	4200 lm	
<div><div></div>Lamp mode: *2</div>	3200 lm	
<div><div></div>Lamp mode: Low *2</div>	2500 lm	

Color light output		
<div><div></div>Lamp mode: High</div>	4200 lm	
<div><div></div>Lamp mode: Standard *2</div>	3200 lm	
<div><div></div>Lamp mode: Low *2</div>	2500 lm	

Contrast ratio (full white / full black) *3		
<div><div></div>Contrast ratio (full white / full black)</div>	3700:1	

Speaker		

● Speaker	16 W (monaural)
Displayable scanning frequency	
● Horizontal	15 kHz to 92 kHz
● Vertical	48 Hz to 92 Hz
Display resolution	
● Computer signal input	Maximum display resolution: 1600 x 1200 dots *4
● Video signal input	NTSC, PAL, SECAM, 480/60i, 576/50i, 480/60p, 575/50p, 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, PAL-60
Keystone correction (Max.) *4	
● Vertical	+/-20 degrees
OSD languages	
● OSD languages	24-languages (English, French, German, Italian, Spanish, Portuguese, Japanese, Simplified Chinese, Traditional Chinese, Korean, Russian, Dutch, Norwegian, Swedish, Thai, Arabic, Turkish, Polish, Vietnamese, Farsi, Finnish, Indonesian, Hungary, Greek)
INPUT OUTPUT (Computer/Video/Control)	
● 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
● INPUT C	HDMI input connector: HDMI 19-pin, HDCP support Audio input connector: HDMI audio support
● INPUT D	HDMI input connector: HDMI 19-pin, HDCP support Audio input connector: HDMI audio support
● S VIDEO IN	S Video input connector: Mini DIN 4-pin
● VIDEO IN	Video input connector: Phono jack
● OUTPUT	MONITOR output connector *5: Mini D-sub 15-pin (female) Audio output connector *6: Stereo mini
● REMOTE	RS-232C connector: D-sub 9-pin (male)
● LAN	RJ-45, 10BASE-T/100BASE-TX
● USB	Type-A
● USB	Type-B
● MICROPHONE IN	Microphone input: Mini Jack
Acoustic noise *5	
● Lamp mode: Low	29 dB
Operating temperature / Operating humidity	
● Operating temperature / Operating humidity	0 °C to 40 °C (32 °F to 104 °F) / 20-80% (no condensation)
Storage temperature / Storage humidity	
● Storage temperature / Storage humidity	-10 °C to +60 °C (-4 °F to +140 °F) / 20% to 80% (no condensation)
Power requirements	

● Power requirements		AC 100 V to 240 V, 3.4 A to 1.5 A, 50 Hz / 60 Hz
Power consumption		
● AC 100 V to 120 V	Lamp mode: High: 334 W	
● AC 220 V to 240 V	Lamp mode: High: 322 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	5.3 W (LAN) 5.7 W (optional WLAN module) 6.0 W (All Terminals and Networks Connected) (when "Standby Mode" is set to "Standard")	
● AC 220 V to 240 V	5.5 W (LAN) 6.0 W (optional WLAN module) 6.3 W (All Terminals and Networks Connected) (when "Standby Mode" is set to "Standard")	
Standby Mode/Network Standby Mode Activated		
● Standby Mode/Network Standby Mode Activated	Approx. 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] 3) [WLAN Connection] 4) Select On or Off	
Heat dissipation		
● AC 100 V to 120 V	1139 BTU/h	
● AC 220 V to 240 V	1099 BTU/h	
Dimensions (W x H x D)		
● Dimensions (W x H x D) (without protrusions)	Aprox. 365 x 96.2 x 252 mm (14 3/8 X3 25/32 X9 29/32 ")	
Mass		
● Mass	Approx. 4.1 kg (9 lb)	
Supplied accessories		
● Remote commander	RM-PJ8	
Optional Accessories		
● Optional Lamp	LMP-E221	
● Wireless LAN module	IFU-WLM3	
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 are estimate.	
● *3	The value is average.	
● *4	Available for the VESA Reduced Blanking signal.	
● *5	Not available in standby. From INPUT A and INPUT B.	



*6

Works as an audio switcher function. Output from a selected channel; not available in standby.

Accessories

Lamps



LMP-E221

Replacement Lamp for the
VPL-E300 Series

Other Accessories



IFU-WLM3

USB wireless LAN module