SONY

VPL-E Series

Affordable Compact Projectors

VPL-EW5
VPL-EX70
VPL-EX7
VPL-ES7

sony.com/projectors

3LCD BrightEra™ HDMI™ HIGH DEFINITION MULTIMEDIA INTERFACE

Bright, Stylish, and Easy to Use – The Affordable VPL-E Series of Data Projectors is an Excellent Choice for Both Education and Business

Sony's VPL-E Series data projectors are extremely affordable and ideal for a number of applications, especially in education and business. These projectors are not only stylish, but they also provide a high brightness of 2600 lumens (VPL-EX70) and 2000 lumens (VPL-EW5/EX7/ES7). Capable of projecting high-quality images, the VPL-EX70 and VPL-EX7 offer native XGA resolution, while the VPL-ES7 offers SVGA resolution. If widescreen projection is desired, the VPL-EW5 offers WXGA resolution. These projectors come equipped with a short focal-length lens enabling large-screen projection from a very short distance.

Because these projectors were designed primarily for education and business, they are very easy to use and provide security features such as a password authentication system and a security bar. In addition, they offer a variety of interfaces such as a monitor output, audio output, RS-232C for control (VPL-EW5/EX7/EX70 only), and High-Definition Multimedia Interface™ (HDMI™) for digital video projection (VPL-EW5 only). All of these features combine to make the VPL-E Series ideal for both classrooms and conference rooms.

FEATURES

High Picture Quality and Bright Images

By combining a new generation of inorganic LCD panels that utilize Sony's BrightEra™ technology* with a 3LCD projection system, the VPL-EW5 and VPL-EX70 offer high picture quality and brightness.

The VPL-EW5, VPL-EX7, and VPL-ES7 offer native WXGA (1280 x 768), XGA (1024 x 768), and SVGA (800 x 600), respectively, and a brightness of 2000 lumens. And the VPL-EX70 offers native XGA resolution and a higher brightness of 2600 lumens.

LCD panel of the VPL-EW5

* BrightEra is a brand name for the category of LCD panels that have pixels with large aperture ratios and that adopt inorganic alignment layers.

3LCD Projection Offers Amazing Color Performance

The VPL-E Series adopts the 3LCD projection system that uses three LCD panels. This system allows the projector to present bright and natural images. It provides high light transmission and excellent color reproduction with high color light output+. It also provides smooth gradients in dark areas, and even helps prevent color breakup or the rainbow effect++.

+ Color light output is a metric that measures a projector's ability to deliver color. Developed by color scientists using the same approach as light output (brightness) measurement, color light output provides a simple, accurate, and easy-to-understand way to evaluate a projector's color performance.

++ The rainbow effect may appear as blurring or the separation of colors. It can only be seen in images projected by 1-chip sequential color projection systems.

Short Projection Distance

The VPL-E Series projectors come equipped with a short focal-length lens, which makes it possible to project images from a short distance. For example, an 80-inch* image can be projected from a distance of approximately 7.5 feet (2.3 meters) and 8.2 feet (2.5 meters) by the VPL-EX70/EX7/ES7 and VPL-EW5, respectively.

* Viewable area measured diagonally.

Off & Go

Once a presentation is complete, the VPL-E Series can be moved to the next location immediately by simply turning the projector off and unplugging the AC power cord. There is no need to wait for the fan to turn off.

High Security (Control Panel Key Lock, Password Authentication System, Security Bar, and Kensington Lock)

Both a control panel key lock and a password authentication system are available in the VPL-E Series to help prevent unauthorized use of the projector. Also, a built-in security bar or Kensington lock can be used to help prevent theft.

Unique Body Design

The VPL-E Series adopts a unique design with a body shape that broadens towards the front. In addition, the VPL-E Series projects images upwards on the screen and therefore requires minimal tilt adjustment.

Side

Top

Input Flexibility (Multiscan Converter)

The VPL-E Series accepts a wide variety of video input signals from standard definition (SD) to high definition (HD). These include composite, S-Video (Y/C), and analog RGB/component via the HD D-sub 15-pin interface, and digital video via the HDMI, (VPL-EW5 only). In addition, the unit can accept computer signals from VGA up to SXGA+ (1400 x 1050).

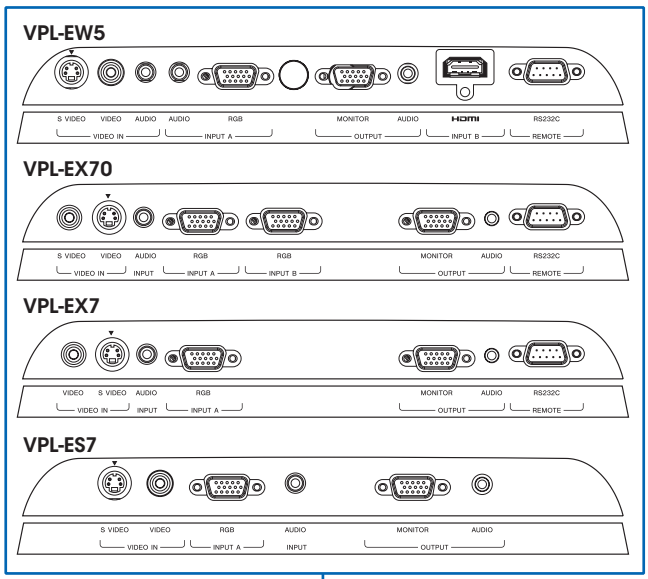
Other Features

- Monitor Output
- Audio Output
- RS-232C Control (VPL-EW5/EX7/EX70 only)
- Auto Vertical Keystone Adjustment (VPL-EW5/EX70 only)
- Auto Input Search
- Digital Zoom (4x)
- Image Freeze
- Six Picture Modes
- Picture Muting (Image Muting)
- Direct Power On
- Front Exhaust System
- Ceiling-mountable Design*
- Useful Remote Commander® unit
- Smart APA (Auto Pixel Alignment)
- Multi-language OSD

* Requires an optional ceiling-mount kit. Please contact your local Sony sales offices for details.

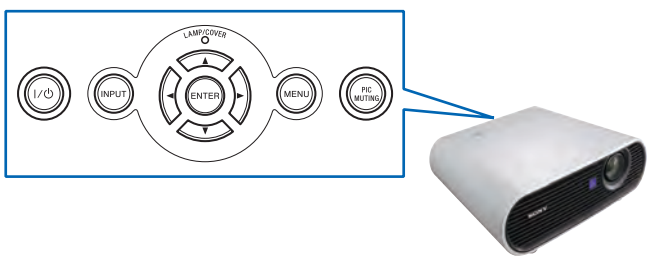
Remote Commander unit

CONNECTOR PANELS

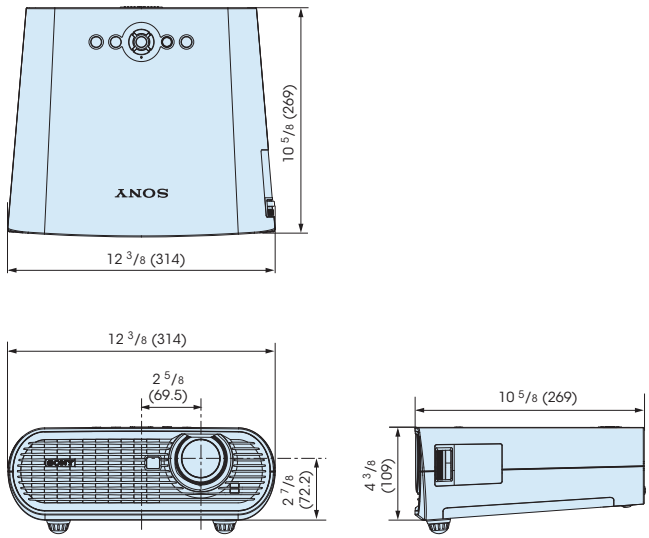


Rear Panel

CONTROL PANEL



DIMENSIONS



Unit: inches (mm)

OPTIONAL ACCESSORIES

LMP-E190
Replacement Lamp
for VPL-EW5

LMP-E191
Replacement Lamp
for VPL-ES7/EX7/EX70

PAM-200
Ceiling Mount
for VPL-ES7/EX7/EX70/EW5

SPECIFICATIONS

		VPL-EW5	VPL-EX70	VPL-EX7	VPL-ES7
Optical					
Projection system		3 LCD panels, 1 lens projection system			
LCD panel		0.59-inch WXGA LCD panel, 3,072,000 (1280 x 800 x 3) pixels	0.63-inch XGA LCD panel, 2,359,296 (1024 x 768 x 3) pixels		0.63-inch SVGA LCD panel, 1,440,000 (800 x 600 x 3) pixels
Projection lens		1.2 times zoom lens (manual), f = 18.53 to 22.18 mm, F1.65 to 1.93			
Lamp		190 W ultra high pressure lamp			
Light output		2000 lumens (lamp mode: high) 1600 lumens (lamp mode: standard)	2600 lumens (lamp mode: high) 2000 lumens (lamp mode: standard)	2000 lumens (lamp mode: high) 1500 lumens (lamp mode: standard)	
Color light output		2000 lumens (lamp mode: high) 1600 lumens (lamp mode: standard)	2600 lumens (lamp mode: high) 2000 lumens (lamp mode: standard)	2000 lumens (lamp mode: high) 1500 lumens (lamp mode: standard)	
Screen coverage		40 to 300 inches (viewable area, measured diagonally)			
Throwing distance	40-inch	Approx. 3.9 to 4.9 feet (1.2 to 1.5 m)	Approx. 3.6 to 4.6 feet (1.1 to 1.4 m)		
	80-inch	Approx. 8.2 to 9.5 feet (2.5 to 2.9 m)	Approx. 7.5 to 9.2 feet (2.3 to 2.8 m)		
	100-inch	Approx. 10.2 to 12.1 feet (3.1 to 3.7 m)	Approx. 9.5 to 11.5 feet (2.9 to 3.5 m)		
	150-inch	Approx. 15.1 to 18.4 feet (4.6 to 5.6 m)	Approx. 14.4 to 17.1 feet (4.4 to 5.2 m)		
	200-inch	Approx. 20.3 to 24.3 feet (6.2 to 7.4 m)	Approx. 19.0 to 23.0 feet (5.8 to 7.0 m)		
	250-inch	Approx. 25.3 to 30.5 feet (7.7 to 9.3 m)	Approx. 24.0 to 28.9 feet (7.3 to 8.8 m)		
	300-inch	Approx. 30.5 to 36.4 feet (9.3 to 11.1 m)	Approx. 28.9 to 34.4 feet (8.8 to 10.5 m)		
Signals					
Color system		NTSC3.58, PAL, SECAM, NTSC4.43, PAL-M, PAL-N, PAL60 (automatically/manually selected)			
Resolution		Video: 750 TV lines, RGB: 1280 x 800 pixels	Video: 750 TV lines, RGB: 1024 x 768 pixels		Video: 500 TV lines, RGB: 800 x 600 pixels
Acceptable computer signals		fH: 19 to 92 kHz, fV: 48 to 92 Hz Maximum input signal resolution: up to SXGA+ (1400 x 1050, fV: 60 Hz)			
Acceptable video signals		Composite Video, S-Video (Y/C), 15 kHz RGB 50/60 Hz, Component 50/60 Hz, Progressive Component 50/60 Hz, DTV (480/60i, 575/50i, 480/60p, 575/50p, 720/60p, 720/50p, 1080/60i, 1080/50i			
Speaker					
		Mono 1 W (max.)			
Inputs/Outputs					
Video In	S-Video	Y/C, mini DIN 4-pin			
	Video	Composite video, RCA phono jack			
	Audio*	Stereo mini jack			
Input A	RGB	Analog RGB/component: HD D-sub 15-pin (female)			
	Audio*	Stereo mini jack			
Input B	RGB	–	Analog RGB: HD D-sub 15-pin (female)	–	–
	HDMI	Digital RGB/Y CB (PB) CR (PR) HDMI (HDCP)	–	–	–
	Audio*	–	Stereo mini jack	–	–
Output	Monitor	Analog RGB: HD D-sub 15-pin (female)			
	Audio	Stereo mini jack			
Remote	RS-232C	D-sub 9 pin (female)			–
General					
Dimensions (W x H x D)		Approx. 12 3/8 x 4 3/8 x 10 5/8 inches (314 x 109 x 269 mm) (excluding projection parts)			
Weight		Approx. 6 lb 10 oz (3.0 kg)		Approx. 6 lb 6 oz (2.9 kg)	
Power requirements		AC 100 to 240 V, 2.6 to 1.1 A, 50/60 Hz			AC 100 to 240 V, 2.4 to 1.0 A, 50/60 Hz
Power consumption		Max. 260 W, standby: Approx. 3 W			Max. 240 W, standby: Approx. 3 W
Operating temperature		32 to 95 °F (0 to 35 °C)			
Operating humidity		35 to 85% (no condensation)			
Storage temperature		-4 to 140 °F (-20 to 60 °C)			
Storage humidity		10 to 90% (no condensation)			
Supplied accessories					
		Remote Commander (1), Lithium battery CR2025 (1), HD D-sub 15-pin cable (1.8 m) (1), Security label (1), CD-ROM (Operating instructions) (1), Quick reference manual (1), Safety regulations (1), Carrying case (1), Lens cap (1), AC power cord (1), Warranty card (1)			

* Video-In-Audio and Input-A-Audio signals share the same stereo mini jack with the VPL-EX7 and VPL-ES7.
Video-In-Audio, Input-A-Audio, and Input-B-Audio signals share the same stereo mini jack with the VPL-EX70.