SONY

VPL-EW5
VPL-EX50
VPL-EX5
VPL-ES5

Entry-level Data 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

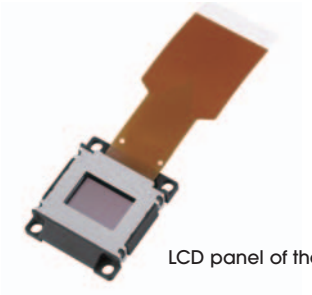
Sony's VPL-E Series data projectors are extremely affordable and ideal for a number of applications, especially in education and business. These projectors are not only stylish, but they also provide a high brightness of 2500 lumens (VPL-EX50) and 2000 lumens (VPL-EW5/EX5/ES5). Capable of projecting high-quality images, the VPL-EX50 and VPL-EX5 offer native XGA resolution, while the VPL-ES5 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/EX50/EX5 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, VPL-EX50, and VPL-EX5 offer high picture quality and brightness. The VPL-EW5, VPL-EX5, and VPL-ES5 offer native WXGA (1280 x 800), XGA (1024 x 768), and SVGA (800 x 600), respectively, and a brightness of 2000 lumens. And the VPL-EX50 offers native XGA resolution and a higher brightness of 2500 lumens.



LCD panel of the VPL-EW5

* "BrightEra" is a brand name for the category of next-generation LCD panels that have pixels with large aperture ratios and that adopt inorganic alignment films. Sony is the first manufacturer to succeed in developing this technology for a High-Temperature Polysilicon (HTPS) TFT LCD panel.

✣ 3LCD Projection System

Because the VPL-E Series uses a 3LCD projection system, projected images are bright and natural. 3LCD is a projection system using three LCD panels. This system provides high light transmission and excellent color reproduction. It also provides smooth gradients in dark areas, and even helps prevent color breakup.

✣ Short Projection Distance

The VPL-E Series comes 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-EX50/EX5/ES5 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 in the AC power cord. There is no need to wait for the fan to turn off.

✣ Quick Start

Power on the projector and start your presentation. It takes approximately just four seconds for the 'startup image' to be displayed after power is applied – and your presentation will begin shortly thereafter.

* The startup time may vary depending on projector settings and lamp condition.

✣ 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 to help prevent unauthorized use of the projector. Also, a built-in security bar and 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 High-Definition Multimedia Interface (HDMI, VPL-EW5 only). In addition, the unit can accept computer signals from VGA up to SXGA+ (1400 x 1050).

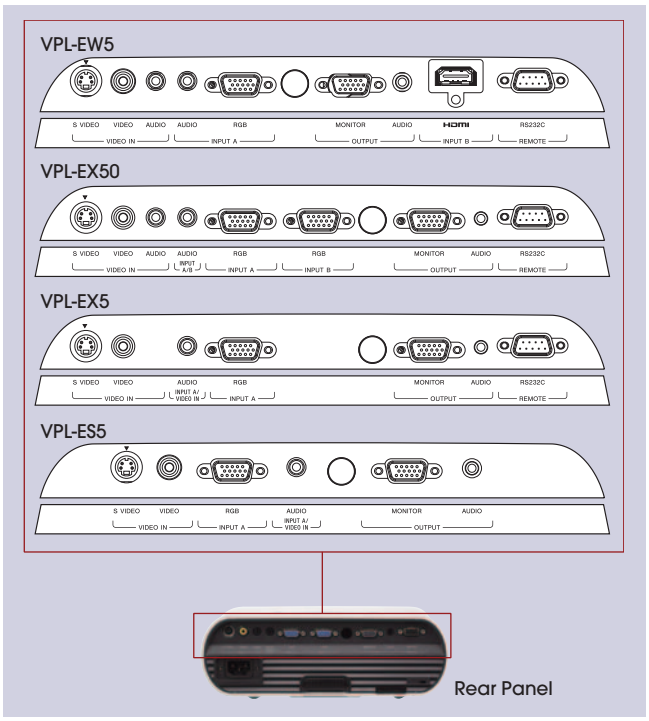
Other Features

- Monitor output
- Audio output
- RS-232C control (VPL-EW5/EX50/EX5 only)
- Useful Remote Commander™ unit
- Digital zoom function (up to 4x)
- Image freeze function
- Six picture modes
- Dynamic Detail Enhancer (DDE) for video signals
- Smart APA (Auto Pixel Alignment)
- Vertical keystone adjustment
- Multi-language OSD
- Picture muting
- Direct power on/off
- Front exhaust system
- Ceiling-mountable design*
- Low power consumption (3 W standby power)

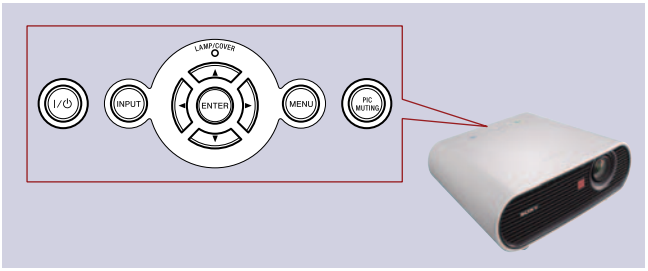
Remote Commander unit

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

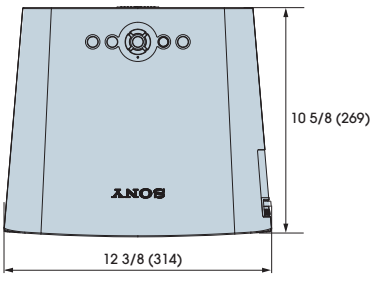
■ Connector Panels ■

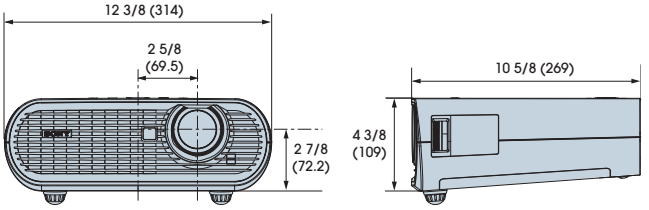


■ Control Panels ■



■ Dimensions ■





Unit: inches (mm)

■ Optional Accessory ■

LMP-E190
Projector Lamp
(for replacement)

■ Specifications ■

		VPL-EW5	VPL-EX50	VPL-EX5	VPL-ES5
Optical					
Projection system		3 LCD panels, 1 lens projection system			
LCD panel		0.59-inch TFT LCD panel, 3,072,000 (1280 x 800 x 3) pixels	0.63-inch TFT LCD panel, 2,359,296 (1024 x 768 x 3) pixels		0.63-inch TFT LCD panel, 1,440,000 (800 x 600 x 3) pixels
Projection Lens		Approx. 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)	2500 lumens (lamp mode high) 2000 lumens (lamp mode standard)	2000 lumens	
Screen coverage		40 to 300 inches (viewable area, measured diagonally)			
Throwing distance	40-inch	3.9 to 4.9 feet (1.2 to 1.5 m)	3.6 to 4.6 feet (1.1 to 1.4 m)		
	80-inch	8.2 to 9.5 feet (2.5 to 2.9 m)	7.5 to 9.2 feet (2.3 to 2.8 m)		
	100-inch	10.2 to 12.1 feet (3.1 to 3.7 m)	9.5 to 11.5 feet (2.9 to 3.5 m)		
	150-inch	15.1 to 18.4 feet (4.6 to 5.6 m)	14.4 to 17.1 feet (4.4 to 5.2 m)		
	200-inch	20.3 to 24.3 feet (6.2 to 7.4 m)	19.0 to 23.0 feet (5.8 to 7.0 m)		
	250-inch	25.3 to 30.5 feet (7.7 to 9.3 m)	24.0 to 28.9 feet (7.3 to 8.8 m)		
	300-inch	30.5 to 36.4 feet (9.3 to 11.1 m)	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					
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)		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, 2.2 to 1.0 A, 50/60 Hz	
Power consumption		Max.: 260 W, standby: 3 W		Max.: 225 W, standby: 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%			
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-EX5 and VPL-ES5.

** Input-A-Audio and Input-B-Audio signals share the same stereo mini jack with the VPL-EX50.

• Halogenated flame retardants are not used in cabinets or printed wiring boards.