VPL-D100 Series

Data Projectors

SONY
make.believe

VPL-DW126 VPL-DW120
VPL-DX146 VPL-DX140
VPL-DX126 VPL-DX120
VPL-DX100

3LCD BrightEra™ HDMI

Sleek Compact Projector with Good TCO and an Energy-efficient Design

The VPL-D100 Series delivers convenient features for portable use, including a compact and lightweight design that is also energy-efficient, and a focus on lower total cost of operation. This data projector series also delivers several powerful features shared across Sony's full line of business projectors.

Sleek, compact styling and low weight make Sony's VPL-D100 Series data projectors perfect for portable use. They are also economically designed for optimum energy efficiency, thanks to their 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.*

The VPL-DW126 and VPL-DW120 present clear and dynamic images in native WXGA resolution on a widescreen, while the VPL-DX146, VPL-DX140, VPL-DX126, VPL-DX120, and VPL-DX100 provide high picture quality in native XGA resolution.

Delivering superb images along with simple operation, Sony's VPL-D100 Series projectors achieve an excellent balance between quality and cost, ideal for use in education or business.

* The VPL-DW126, VPL-DX146, & VPL-DX126.

FEATURES

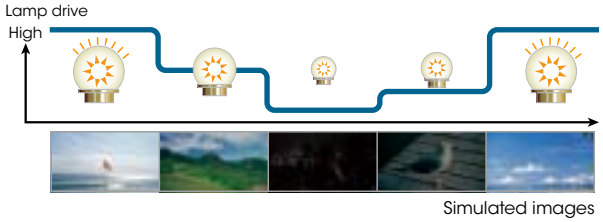
Compact, Lightweight Design

The VPL-D100 Series has a compact and lightweight body with a small footprint of approximately 315 x 75 x 230.5 mm (12 $^{13}/_{32}$ x 2 $^{15}/_{16}$ x 9 $^{1}/_{16}$ inches) and a light wight of approximately 2.6 kg (5.8 lb) and 2.5 kg (5 lb 7 oz) for the VPL-DW126/VPL-DX146/VPL-DX126 and VPL-DW120/VPL-DX140/VPL-DX120/VPL-DX100, respectively.

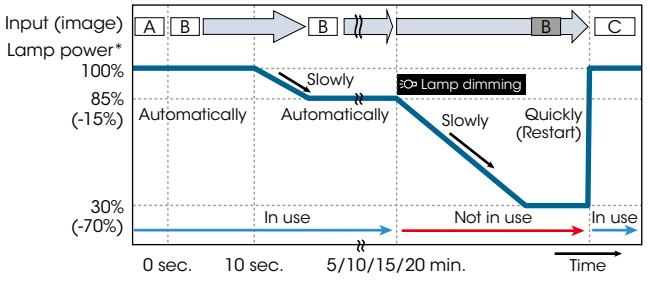
Good TCO, Energy-efficient Design

Auto Power Saving Function

- **Auto Mode (Auto Brightness Adjustment Function)**
  The brightness of the lamp's output is automatically adjusted depending on the brightness of the projected image, to avoid unnecessary power consumption. When showing darker images that don't require high brightness, lamp output decreases.



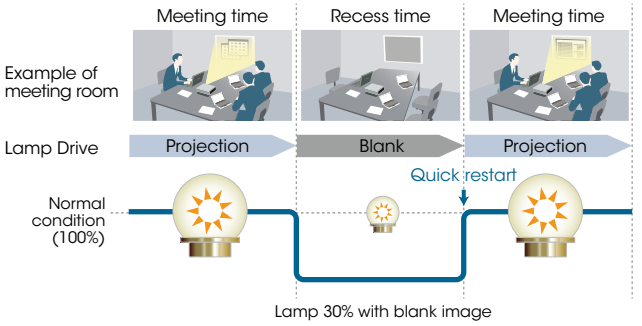
- **Lamp Dimming Function**
  The VPL-D100 Series projectors are equipped with a lamp dimming function. After 10 seconds of a static signal feed, the lamp dims by approximate 15% which is hardly noticeable. If one of these projectors is left powered on while not in use, after a set period of time it will automatically detect no change of signal input and will dim the lamp to as low as approximate 30% of original brightness to significantly reduce energy consumption.



Lamp dimming scheme

* Lamp high mode. The values are approximate.

- **Blank**
  The VPL-D100 Series projectors can temporarily disable video signal output. This function can be easily operated with just the touch of a button on the supplied Remote Commander unit. In addition, this function allows blank image projection with low power consumption using lamp control technology.



The values are approximate.

Energy Saving design
The VPL-D100 Series projectors offer remarkably low power consumption, allowing users to make significant savings on their electricity expenses.

ECO MODE Key
With a single push of the ECO MODE key on either the projector or the supplied Remote Commander™ unit, users can select an energy-saving setting from the ECO Mode menu.

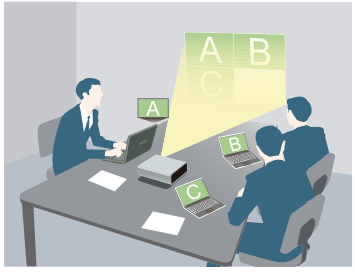
Long-lasting Lamp
By incorporating a high-performance lamp and advanced lamp-control technology, the VPL-D100 Series projectors deliver an extremely long lamp replacement time of 7,000 hours.*
* Approximate recommended period, in low mode.

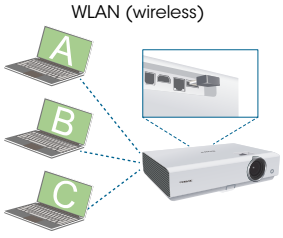
A Variety of Network Functions – Via LAN Cable or Wirelessly

Web Control
When VPL-D100 Series* 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 any additional network software on the PC.
* The VPL-DW126, VPL-DX146, & VPL-DX126.

Network Presentation
When VPL-D100 Series*1 projectors are installed on a LAN, presentations can be projected from any PC on the network – whether connected via a LAN cable or wirelessly.
*1 The VPL-DW126, VPL-DX146, and VPL-DX126.

Up to four users can project PC images simultaneously; up to eight users*2 can connect to one projector.
*2 Up to seven users for wireless.

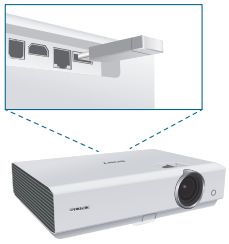




Tablet Device and Smart Phone Connection (wireless)
The wireless presentation capability*1 makes it easy to present files from your tablet device or smart phone. You can project jpg, pdf, PowerPoint, and other supporting formats. This requires a simple software download.*2

*1 The VPL-DW126, VPL-DX146, and VPL-DX126.
*2 The application is provided by Pixelworks and will be able to be downloaded from App. Store on the web. For details, please visit the following website.
http://PWPresenter.pixelworks.com

USB Media Viewer
By attaching a USB memory device*1 to the VPL-D100 Series*2 USB connector, the operator can directly project data files stored on the USB memory device.
Supported file formats are JPG, BMP, PNG, TIF, and GIF.
*1 USB memory device is not included.
*2 VPL-DW126, VPL-DX146, & VPL-DX126.



Multiple Inputs & Outputs
VPL-D100 Series projectors include a speaker (1 W) and a variety of interfaces* (RGB, HDMI, RJ-45, USB Type-A, USB Type-B) that accept a wide variety of inputs signals, greatly expanding system connection possibilities.
* The VPL-DW126, VPL-DX146, & VPL-DX126.

Superb Picture Quality

Brilliant Color Performance
The VPL-D100 Series projectors adopt 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 utilize Sony's BrightEra™ technology with a 3LCD projection system, the VPL-D100 Series projectors offer high picture quality and brightness.

12-bit 3D Gamma Correction
The VPL-D100 Series projectors incorporate 12-bit 3D gamma correction circuitry to perform highly accurate gamma correction, achieving smoother gradations and a richer gray scale.

Film mode
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.

Other Features

Closed Captioning
Official teletext broadcasting, developed by the NCI, USA

Network and Control
Controls and monitors projector status
Compatible with various control systems

CRESTRON CERTIFIED INTEGRATED PARTNER

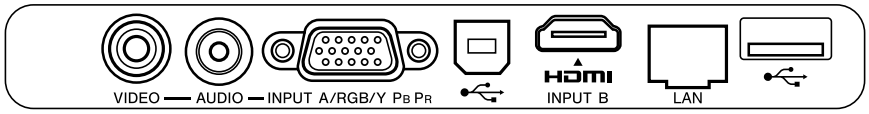
PJLink™

OPTIONAL ACCESSORIES

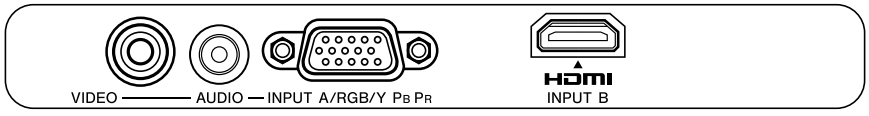
LMP-D213
Projector Lamp (for replacement)

CONNECTOR PANELS

VPL-DW126 / VPL-DX146 / VPL-DX126



VPL-DW120 / VPL-DX140 / VPL-DX120 / VPL-DX100

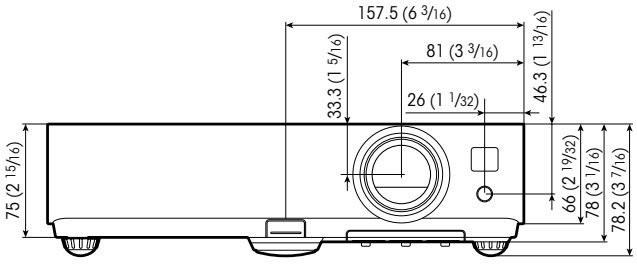


DIMENSIONS

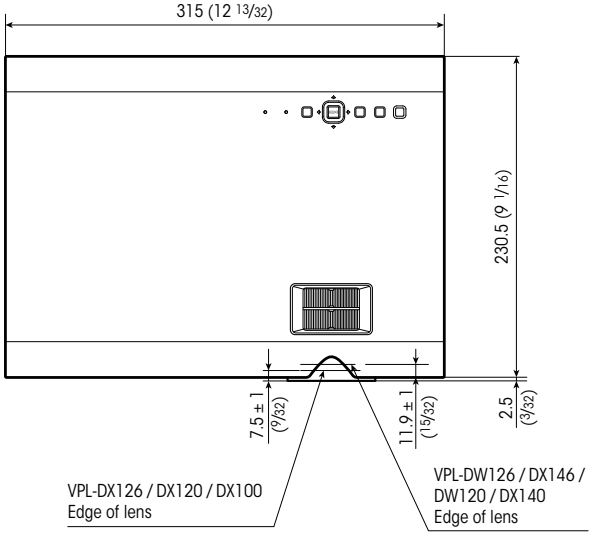
Unit: mm (inches)

VPL-DW126 / VPL-DX146 / VPL-DX126
VPL-DW120 / VPL-DX140 / VPL-DX120 / VPL-DX100

Front



Top



SPECIFICATIONS

		VPL-DW126	VPL-DX146	VPL-DX126
Display system		3 LCD system		
Display device	Size of effective display area	0.59" (15 mm) x 3 BrightEra Aspect ratio: 16:10	0.63" (16 mm) x 3 BrightEra Aspect ratio: 4:3	
	Number of pixels	3,072,000 (1280 x 800 x 3) pixels	2,359,296 (1024 x 768 x 3) pixels	
Projection lens	Zoom	Optical: Manual (Approx. x 1.3)		Optical: Manual (Approx. x 1.2)
	Focus	Manual		
	Throw ratio	1.36:1 to 1.77:1	1.37:1 to 1.80:1	1.47:1 to 1.77:1
Light source		Ultra high pressure mercury lamp 210 W type		
Recommended lamp replacement time*1		3000 H / 5000 H / 7000 H (Lamp mode: High / Standard / Low)		
Filter cleaning cycle*1		Max. 1000 H		
Screen size		30" to 300" (0.76 m to 7.62 m)		
Light output (Lamp mode: High / Standard / Low)		2600 lm / 1900 lm*2 / 1500 lm*2	3200 lm / 2300 lm*2 / 1900 lm*2	2600 lm / 1900 lm*2 / 1700 lm*2
Color light output (Lamp mode: High / Standard / Low)		2600 lm / 1900 lm*2 / 1500 lm*2	3200 lm / 2300 lm*2 / 1900 lm*2	2600 lm / 1900 lm*2 / 1700 lm*2
Contrast ratio (full white / full black)*3		2500:1		
Displayable scanning frequency	Horizontal	15 kHz to 92 kHz		
	Vertical	48 Hz to 92 Hz		
Display resolution	Computer signal input	Maximum display resolution: UXGA 1600 x 1200 dots*4		
		Panel display resolution: 1280 x 800 dots	Panel display resolution: 1024 x 768 dots	
	Video signal input	NTSC, PAL, SECAM, 480/60i, 576/50i, 480/60p, 576/50p, 720/60p, 720/50p, 1080/60i, 1080/50i, 1080/60p, 1080/50p		
Color system		NTSC3.58, PAL, SECAM, NTSC4.43, PAL-M, PAL-N		
Keystone correction		Max. Vertical: +/- 20 degrees	Max. Vertical: +/- 30 degrees	
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)		
Computer and video signal input/output	INPUT A	RGB / Y P_B P_R input connector: Mini D-sub 15-pin (female) Audio input connector: Stereo mini jack (shared with VIDEO IN)		
	INPUT B	HDMI input connector: HDMI 19-pin, HDCP support Audio input connector: HDMI audio support		
	VIDEO IN	Video input connector: Pin jack Audio input connector: Shared with INPUT A		
Control signal input/output, Others		LAN connector: RJ-45, 10BASE-T/100BASE-TX USB: Type-A, Type-B		
Speaker		1 W x 1 (monaural)		
Operating temperature (Operating humidity)		0°C to 35°C / 32°F to 95°F (20% to 80%; no condensation)		
Storage temperature (Storage humidity)		-10°C to +60°C / 14°F to +140°F (20% to 80%; no condensation)		
Power requirements		AC 100 to 240 V, 3.0 A to 1.2 A, 50 Hz / 60 Hz		
Power consumption (Lamp mode: High / Standard / Low)	AC 100 V to 120 V	294 W / 223 W*2 / 197 W*2	291 W / 229 W*2 / 199 W*2	290 W / 229 W*2 / 205 W*2
	AC 220 V to 240 V	280 W / 217 W*2 / 192 W*2	279 W / 223 W*2 / 194 W*2	278 W / 221 W*2 / 198 W*2
Standby mode power consumption	AC 100 V to 120 V	5.7 W / 0.4 W (Standby mode: Standard / Low)		
	AC 220 V to 240 V	5.9 W / 0.5 W (Standby mode: Standard / Low)		
Heat dissipation	AC 100 V to 120 V	1004 BTU	992 BTU	991 BTU
	AC 220 V to 240 V	956 BTU	951 BTU	949 BTU
Outside dimensions		W 315 x H 75 x D 230.5 mm (W 12 13/32 x H 2 15/16 x D 9 1/16 inches) (without protrusions)		
Mass		2.6 kg / 5.8 lb		
Supplied accessories		RM-PJ8 Remote Commander (1), Lithium battery: CR2025 (1), AC Power Cord (1), Operating Instructions (CD-ROM) (1), Quick Reference Manual (1), Mini D-sub 15-pin cable (1), Lens cap (1), Carrying case (1), Projector Station for Network Presentation application (CD-ROM) (1), IFU-WLM3 USB wireless LAN module (1)		
Replacement lamp		LMP-D213		

*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 values are estimate.
*3 This value is average.
*4 Available for the VESA Reduced Blanking signal.

		VPL-DW120	VPL-DX140	VPL-DX120	VPL-DX100
Display system		3 LCD system			
Display device	Size of effective display area	0.59" (15 mm) x 3 BrightEra Aspect ratio: 16:10	0.63" (16 mm) x 3 BrightEra Aspect ratio: 4:3		
	Number of pixels	3,072,000 (1280 x 800 x 3) pixels	2,359,296 (1024 x 768 x 3) pixels		
Projection lens	Zoom	Optical: Manual (Approx. x 1.3)		Optical: Manual (Approx. x 1.2)	
	Focus	Manual			
	Throw ratio	1.44:1 to 1.87:1	1.37:1 to 1.80:1	1.47:1 to 1.77:1	
Light source		Ultra high pressure mercury lamp 210 W type			
Recommended lamp replacement time*1		3000 H / 5000 H / 7000 H (Lamp mode: High / Standard / Low)			
Filter cleaning cycle*1		Max. 1000 H			
Screen size		30" to 300" (0.76 m to 7.62 m)			
Light output (Lamp mode: High / Standard / Low)		2600 lm / 1900 lm*2 / 1500 lm*2	3200 lm / 2300 lm*2 / 1900 lm*2	2600 lm / 1900 lm*2 / 1700 lm*2	2300 lm / 1800 lm*2 / 1500 lm*2
Color light output (Lamp mode: High / Standard / Low)		2600 lm / 1900 lm*2 / 1500 lm*2	3200 lm / 2300 lm*2 / 1900 lm*2	2600 lm / 1900 lm*2 / 1700 lm*2	2300 lm / 1800 lm*2 / 1500 lm*2
Contrast ratio (full white / full black)*3		2500:1			
Displayable scanning frequency	Horizontal	15 kHz to 92 kHz			
	Vertical	48 Hz to 92 Hz			
Display resolution	Computer signal input	Maximum display resolution: UXGA 1600 x 1200 dots*4			
		Panel display resolution: 1280 x 800 dots	Panel display resolution: 1024 x 768 dots		
	Video signal input	NTSC, PAL, SECAM, 480/60i, 576/50i, 480/60p, 576/50p, 720/60p, 720/50p, 1080/60i, 1080/50i, 1080/60p, 1080/50p			
Color system		NTSC3.58, PAL, SECAM, NTSC4.43, PAL-M, PAL-N			
Keystone correction		Max. Vertical: +/- 30 degrees			
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)			
Computer and video signal input/output	INPUT A	RGB / Y P_B P_R input connector: Mini D-sub 15-pin (female) Audio input connector: Stereo mini jack (shared with VIDEO IN)			
	INPUT B	HDMI input connector: HDMI 19-pin, HDCP support Audio input connector: HDMI audio support			
	VIDEO IN	Video input connector: Pin jack Audio input connector: Shared with INPUT A			
Speaker		1 W x 1 (monaural)			
Operating temperature (Operating humidity)		0°C to 35°C / 32°F to 95°F (20% to 80%; no condensation)			
Storage temperature (Storage humidity)		-10°C to +60°C / 14°F to +140°F (20% to 80%; no condensation)			
Power requirements		AC 100 to 240 V, 2.9 A to 1.2 A, 50 Hz / 60 Hz			
Power consumption (Lamp mode: High / Standard / Low)	AC 100 V to 120 V	273 W / 226 W*2 / 193 W*2	283 W / 226 W*2 / 192 W*2	282 W / 227 W*2 / 193 W*2	275 W / 228 W*2 / 195 W*2
	AC 220 V to 240 V	262 W / 220 W*2 / 187 W*2	269 W / 218 W*2 / 186 W*2	270 W / 219 W*2 / 187 W*2	263 W / 221 W*2 / 189 W*2
Standby mode power consumption (Standby mode: Low)	AC 100 V to 120 V	<0.5 W			
	AC 220 V to 240 V	<0.5 W			
Heat dissipation	AC 100 V to 120 V	932 BTU	966 BTU	962 BTU	939 BTU
	AC 220 V to 240 V	894 BTU	918 BTU	922 BTU	898 BTU
Outside dimensions		W 315 x H 75 x D 230.5 mm (W 12 13/32 x H 2 15/16 x D 9 1/16 inches) (without protrusions)			
Mass		2.5 kg / 5 lb 7 oz			
Supplied accessories		RM-PJ8 Remote Commander (1), Lithium battery: CR2025 (1), AC Power Cord (1), Operating Instructions (CD-ROM) (1), Quick Reference Manual (1), Mini D-sub 15-pin cable (1), Lens cap (1), Carrying case (1)*5			
Replacement lamp		LMP-D213			

*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 values are estimate.
*3 This value is average.
*4 Available for the VESA Reduced Blanking signal.
*5 Not including carrying case for the VPL-DX100.