SONY

LCD Data Projector

VPL-PX15/PX10/PS10

Portable, High Quality Projectors that Set New Standards for Presentation Flexibility.

Sony presents three compact, versatile ways to enhance your presentation effectiveness.

The VPL-PX15, VPL-PX10 and VPL-PS10 are a new line of portable projectors from Sony that provide excellent resolution and brightness as well as great flexibility. The VPL-PX15 and VPL-PX10 provide an outstanding brightness of 2000 ANSI lumens with true XGA resolution, while the VPL-PS10 provides 1500 ANSI lumens with SVGA resolution for excellent image reproduction. With the VPL-PX15, Sony brings networking capability to portable projectors – it is the first projector from Sony to provide wireless Peer to Peer (Ad-hoc) networking, offering a whole new style for smart, cable-less meetings in your company. Also incorporating a variety of useful functions, these stylishly designed, next-generation projectors will take your presentations to a higher level.

Sony VAIO computers and wireless LAN PC Cards may not be available in same areas. For details, please contact your nearest Sony office.

High Brightness *and Resolution*

The VPL-PX15, VPL-PX10 and VPL-PS10 combine the latest LCD-panel technology with a 200 W UHP lamp to provide an outstanding combination of on-screen image quality and brightness. All three models feature three 0.9-inch LCD panels; the VPL-PX15 and VPL-PX10 providing a light output of 2000 ANSI lumens with true XGA (1024 x 768) resolution, while the VPL-PS10 provides 1500 ANSI lumens with true SVGA (800 x 600) resolution. High-quality images can be projected even in conditions of high ambient light.

Sophisticated *Design*

The sleek and elegant look of the VPL-PX15/PX10/PS10 adds style to any presentations, impressing the audience. During the presentation the built-in height adjuster ensures the optimum projection angle, and projector noise is not a distraction – the VPL-PX15/PX10/PS10 runs very quietly with the exhaust positioned on the front of the unit so that the discharged air is kept away from the audience.

Flexible *Use*

Portability

The VPL-PX15/PX10/PS10 is compact and is easy to carry with its retractable carrying handle. The projector can be carried around from room to room, bringing bright and clear images anywhere it is used.

Installation Flexibility

The VPL-PX15/PX10/PS10 can also be floor mounted or ceiling mounted, in applications where a fixed installation is more appropriate. New optional converter lenses are available – easily attached to the standard lens, they enable the projector to be customized to virtually any application environment.

VPLL-CW10

Short focal length converter lens
Throwing distance*1: x 0.8

VPLL-CT10*2

Long focal length converter lens
Throwing distance: x 1.2

*1 *Ratio of the lens' throwing distance to that of the standard lens.*
*2 *Standard lens should be set to its maximum when using the VPLL-CT10.*

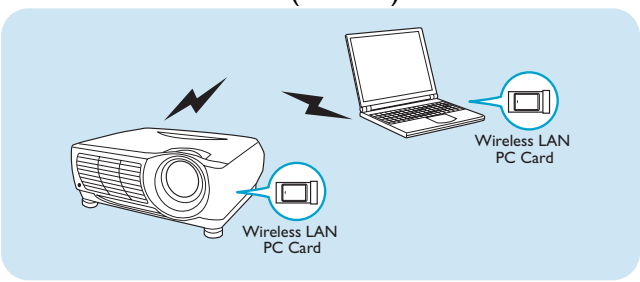
Innovative Presentations with *Network Projector VPL-PX15*

Wireless Peer to Peer (Ad-hoc) Presentations

The VPL-PX15 is the first of Sony projectors to include a wireless Peer to Peer (Ad-hoc) networking capability. Where a network environment is not provided, this technology enables a wireless Peer to Peer network to be set up using a wireless LAN PC Card*. This revolutionary application means that users can come to a meeting, set up a Peer to Peer network with their PCs and the projector, and run their presentations by communicating with and transferring data to the VPL-PX15. By doing away with the problem of cable connections between PC and projector, this development makes an important contribution to the smooth running of presentations and avoids the trouble of disconnecting and connecting PCs when several different presenters are involved.

** When using a wireless LAN PC Card, please confirm the safety regulations in each area.*

Wireless Peer to Peer (Ad-hoc)

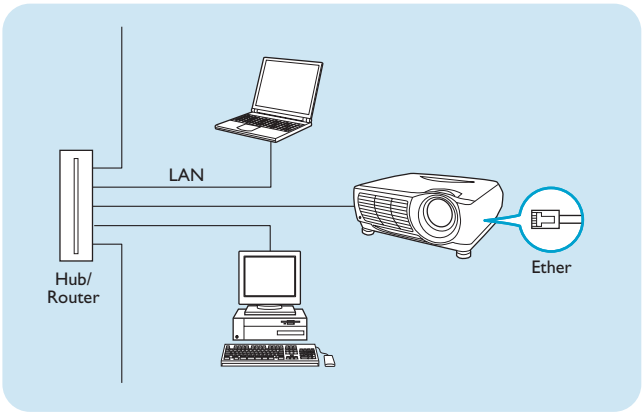


LAN Connection

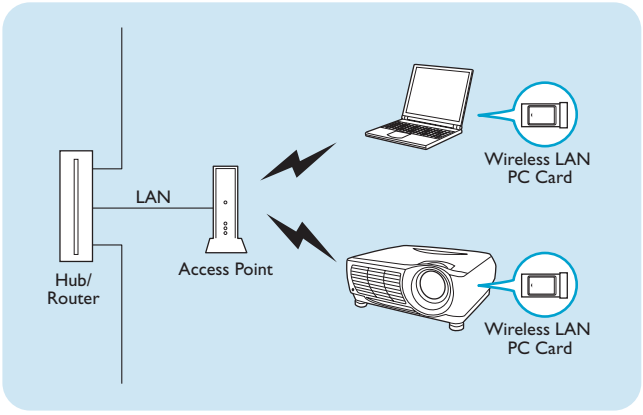
In offices with a network environment, the VPL-PX15 projector can connect to this LAN via a built-in 10Base-T/100Base-TX interface and then communicate with any PC on the LAN. The projector can also access the Internet directly using the pre-installed web-browser. A wireless infrastructure can also be provided with the use of a wireless LAN PC Card and an access point*.

** Recommended LAN PC Card, Wireless LAN PC Card, PC Memory Card and access point may vary by area. For details, please contact your nearest Sony office.*

Wired



Wireless Infrastructure



PC Presentations via Web Browser

Any PC within the same network can communicate with a VPL-PX15 via a web browser*. Operating presentations, organizing files and controlling both a projector's functions and its setup parameters can all be done by accessing the application software pre-installed in the projector from a PC on the network.

** System requirements*
OS: Microsoft® Windows® 98, Windows 98 SE, Windows Me or Windows 2000
Web browser: Internet Explorer 4.0 or later or Netscape® Communicator 4.5x or 4.7x

PC-less Presentations with Projector

Alternatively, it is not even necessary to use a PC to give presentations. When the projector is connected to the network, files shared in that network can be retrieved and opened for projection by using only the supplied remote control unit. Also with sufficient memory storage to save presentation files internally, presentation files can be saved in the projector prior to the meetings and then be projected off-line using the remote control unit.

PC Card presentations are possible as well. Presentation files can be directly projected by inserting the PC Memory Card into the PC Card slot.

** The PC Memory Card is not supplied with the VPL-PX15.*

Application Software for Presentation Control

The VPL-PX15 is provided with Sony original Presentation Viewer, Image Viewer and File Manager application software. The Presentation Viewer enables users to prepare and run PowerPoint (PPT, PPS) and Excel (XLS) presentation files, while the Image Viewer makes JPEG/GIF/BMP/PNG presentations possible. Presentation files in the projector memory can also be added or deleted using the File Manager.

Other *Features*

Flexible Inputs

The VPL-PX15/PX10/PS10 accepts a wide variety of input signals, including composite video, S video and RGB, as well as computer signals up to SXGA. And with presets for 37 different signals, images can be reproduced in the most suitable signal mode in an instant.

USB Compatibility and Projector Station Software

The VPL-PX15/PX10/PS10 is USB-ready, and serves as a USB hub for daisy-chain connection of multiple devices. With the USB connection, the projector can be controlled by a computer, using the Projector Station* USB application software. The software also helps with organization of presentation materials for quick access - registered files in the software can be opened with the Function keys on the remote control unit.

** PROJECTOR STATION version 3 software requirements: Microsoft Windows 98, Windows 98 SE, Windows Me or Windows 2000 operating system.*

Useful Remote Control Unit

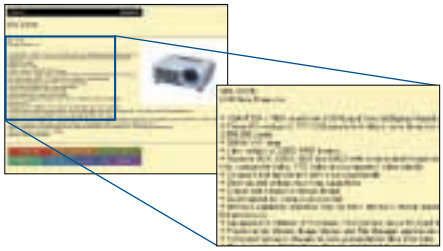
The VPL-PX15 and VPL-PX10 are supplied with a laser pointer-equipped remote control unit, the RM-PJM15. The VPL-PS10 is supplied with an RM-PJM11. Both these wireless control units include items such as Mouse function, Digital Zoom function and Freeze function. Presentations assigned in the Projector Station software can be opened with a push of the Function key. Also, when the VPL-PX15 is in NETWORK mode, the Function keys on the RM-PJM15 work as easy startup keys for the projector's network functions.

RM-PJM15

RM-PJM11

4-times Digital Zoom

Any part of the projected image can be zoomed in during a presentation, using the supplied remote control unit.



Digital Keystone Adjustment

Keystone distortion of up to ±15 degrees can be digitally corrected from the On-Screen Display or the supplied remote control unit. Images can be projected with the correct geometry even where installation space is limited.

Freeze

The Freeze function displays a freeze-frame while preparing or switching to the next image. This can be controlled via the supplied remote control unit.

APA (Auto Pixel Alignment)

With APA, single-button "press and play" operation correctly sizes and adjusts the display for optimum picture performance.

Stereo Speakers

The VPL-PX15/PX10/PS10 is equipped with two speakers, heightening the effectiveness of the presentations by adding stereo audio.

On-Screen Display

The OSD for projector control is available in nine languages: English, French, Spanish, German, Italian, Portuguese, Japanese, Chinese and Korean.

Input Signal Preset Data

No.	Resolution		fH (kHz)	fV (Hz)	H/V
1	Video 60 Hz		15.734	59.940	N/N
2	Video 50 Hz		15.625	50.000	N/N
3	15 K RGB/Component 60 Hz		15.734	59.940	SonG
4	15 K RGB/Component 50 Hz		15.625	50.000	SonG
6	640x350	VGA-1	31.469	70.086	P/N
7		VGA VESA 85	37.861	85.080	P/N
8	640x400	NEC PC98	24.823	56.416	N/N
9		VGA-2/VESA 70	31.469	70.086	N/P
10		VGA VESA 85	37.861	85.080	N/P
11	640x480	VGA VESA 60	31.469	59.940	N/N
12		Mac 13	35.000	66.667	SonG
13		VGA VESA 72	37.861	72.809	N/N
14		VGA VESA 75	37.500	75.000	N/N
15		VGA VESA 85	43.269	85.008	N/N
16	800x600	SVGA VESA 56	35.156	56.250	P/P
17		SVGA VESA 60	37.879	60.317	P/P
18		SVGA VESA 72	48.077	72.188	P/P
19		SVGA VESA 75	46.875	75.000	P/P
20		SVGA VESA 85	53.674	85.061	P/P
21	832x624	Mac 16	49.724	74.550	N/N
22	1024x768	XGA VESA 43	35.524	43.479	P/P
23		XGA VESA 60	48.363	60.004	N/N
24		XGA VESA 70	56.476	69.955	N/N
25		XGA VESA 75	60.023	75.029	P/P
26		XGA VESA 85	68.677	84.997	P/P
27	1152x864	SXGA VESA 70	63.995	70.019	P/P
28		SXGA VESA 75	67.500	75.000	P/P
29		SXGA VESA 85	77.487	85.057	P/P
30	1152x900	SUN LO	61.795	65.960	N/N
31		SUN HI	71.713	76.047	CNeg
32	1280x960	SXGA VESA 60	60.000	60.000	P/P
33		SXGA VESA 75	75.000	75.000	P/P
34	1280x1024	SXGA VESA 43	46.433	43.436	P/P
35		SGI-5	53.316	50.062	SonG
36		SXGA VESA 60	63.974	60.013	P/P
37		SXGA VESA 75	79.976	75.025	P/P
38		SXGA VESA 85	91.146	85.024	P/P

Optional Accessories

Projector Lamp
LMP-P202
(for replacement)

Projection Lenses
VPLL-CW10
(Short focal length converter lens)
VPLL-CT10
(Long focal length converter lens)

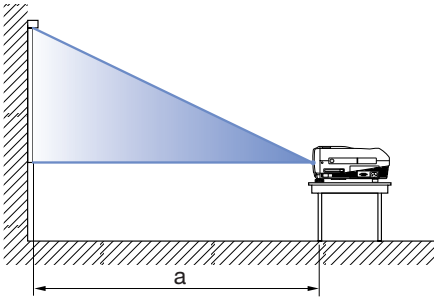
Suspension Support
PSS-610

LMP-P202

Signal Cables
SMF-400
(HD D-sub 15-pin to 5 BNC, for RGB signal)
SMF-402
(HD D-sub 15-pin to phono x 3, for component signal)
SMF-410
(HD D-sub 15-pin to HD D-sub 15-pin, for RGB signal)

Macintosh® adaptor
ADP-20
(Macintosh to VGA)

Throwing Distance



VPL-PX15/PX10

Screen size*			40-inch	60-inch	80-inch	100-inch	120-inch	150-inch	200-inch	250-inch	300-inch
a	min.	mm	1458	2217	2977	3736	4495	5635	7533	9432	11330
		inches	57 1/2	87 1/2	117 3/8	147 3/8	177 1/4	221 3/4	296 1/2	371 3/8	446 1/8
	max.	mm	1764	2675	3586	4497	5408	6774	9052	11329	13607
		inches	69 3/8	105 1/4	141 3/8	177 1/4	213 1/8	266 5/8	356 3/8	446 1/8	536

VPL-PS10

Screen size			40-inch	60-inch	80-inch	100-inch	120-inch	150-inch	200-inch	250-inch	300-inch
a	min.	mm	1461	2221	2982	3742	4503	5644	7545	9446	11348
		inches	57 1/2	87 1/2	117 3/8	147 3/8	177 1/4	222 1/8	297 3/8	372 1/8	447
	max.	mm	1767	2680	3592	4505	5417	6786	9067	11348	13629
		inches	69 3/4	105 5/8	141 3/8	177 1/4	213 1/2	267 3/8	357 1/4	447	536 3/4

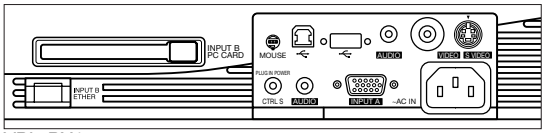
* Viewable area, measured diagonally.

Specifications

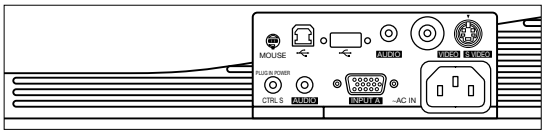
MODEL		VPL-PX15	VPL-PX10	VPL-PS10
OPTICAL	Projection system	3 LCD panels, 1 lens projection system		
	LCD panel	0.9-inch p-Si TFT LCD panel with Micro Lens Array 2,359,296 pixels (786,432 pixels x 3)		0.9-inch p-Si TFT LCD panel 1,440,000 pixels (480,000 pixels x 3)
	Projection lens	1.3 times manual zoom lens , F1.7 to 2.1, f33.6 to 42 mm		
	Lamp	200 W lamp		
	Screen coverage	40 to 300 inches (viewable area, measured diagonally)		
	Light output	2000 ANSI lumens*1		1500 ANSI lumens
SIGNALS	Color system	NTSC, PAL, SECAM, NTSC4.43, PAL-M, PAL-N		
	Resolution	VIDEO: 750 TV lines, RGB: 1024 x 768 pixels		VIDEO: 600 TV lines, RGB: 800 x 600 pixels
	Acceptable signals	RGB (fH: 15 to 91 kHz, fV: 43 to 85 Hz), 15 kHz component 50/60 Hz system, composite video, Y/C video		
GENERAL	Cabinet color	Silky Silver		
	Speaker	Max. 0.5 W x 2 (stereo)		
	Power requirements	AC 100 to 240 V, 50/60 Hz		
	Power consumption	Max. 300 W, Standby 4.2 W	Max. 290 W, Standby 4.2 W	
	Operating temperature	0 to 35 °C (32 to 95 °F)		
	Operating humidity	35 to 85%		
	Dimensions	325 (W) x 110 (H) x 285 (D) mm (12 7/8 x 4 3/8 x 11 1/4 inches)*2		
	Mass	Approx. 5.3 kg (11 lb 11 oz)	Approx. 4.9 kg (10 lb 13 oz)	
	Heat dissipation	1023.9 BTU	989.6 BTU	
INPUTS/ OUTPUTS	VIDEO IN Composite Y/C IN Y C AUDIO IN	 Phono type, 1.0 Vp-p ±2 dB, sync negative, 75 Ω Mini DIN 4-pin 1.0 Vp-p ±2 dB, sync negative, 75 Ω Burst 0.286 Vp-p ±2 dB (NTSC), 75 Ω or 0.3 Vp-p ±2 dB (PAL), 75 Ω Stereo mini jack, 500 mV rms, impedance more than 47 kΩ		
	INPUT A Analog RGB/Component R/R-Y G G with Sync/Y B/B-Y SYNC/HD Composite sync Horizontal sync VD Vertical sync AUDIO IN	 HD D-sub 15-pin (female) 0.7 Vp-p ±2 dB, positive, 75 Ω 0.7 Vp-p ±2 dB, positive, 75 Ω 1.0 Vp-p ±2 dB, sync negative, 75 Ω 0.7 Vp-p ±2 dB, positive, 75 Ω 1.0 to 5.0 Vp-p, high impedance positive/negative 1.0 to 5.0 Vp-p, high impedance positive/negative 1.0 to 5.0 Vp-p, high impedance positive/negative INPUT A: Stereo mini jack, 500 mV rms, impedance more than 47 kΩ		
	MOUSE IN	6-pin (female)		
	INPUT B (VPL-PX15 only) ETHER	10BASE-T/100BASE-TX	— —	
	PC Card slot	PC Card slot Type II		
	USB HUB	UP (B type female) x 1, Down (A type female) x 1		
	CONTROL S IN/ PLUG IN POWER	Stereo mini jack 5.0 Vp-p, plug in power DC 5 V		
SAFETY REGULATIONS		UL, cUL, DHHS, DNHW, FCC class A, NEMKO, CE (LVD, EMC), C-Tick, CCIB, VCCI, JEITA		
SUPPLIED ACCESSORIES		Remote Commander RM-PJM15*3 (VPL-PX15/PX10 only)/PJM11 (VPL-PS10 only), Signal Cable SMF-410: HD D-sub 15-pin to D-sub 15-pin, PS/2 Mouse Cable, USB Cable: A type to B type, USB Application Software Projector Station, AA size Battery (2), Strap for Remote Commander (VPL-PX15/PX10 only), Air Filter (for replacement), AC Power Cord, Operation Manual, Operation Manual for Networking (VPL-PX15 only), Installation Manual for Dealers, Specified/recommended PC Card/Wireless LAN Access Point List (VPL-PX15 only), Quick Reference Sheet		

*1 ANSI lumens is a measuring method of the American National Standards Institute IT7.228.
*2 Excluding protruding parts.
*3 Laser Type: Class II Wavelength: 645 nm Output: 1mW

Connector Panel

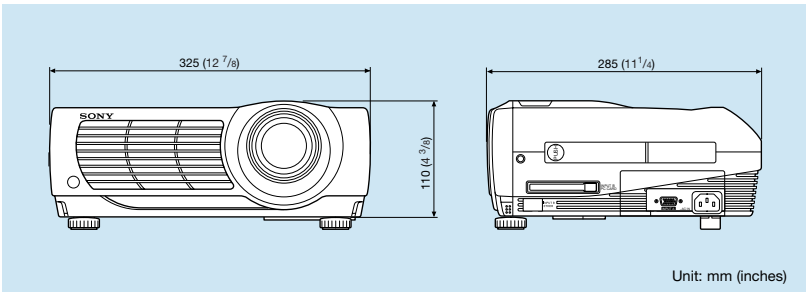


VPL-PX15



VPL-PX10/PS10

Dimensions



Unit: mm (inches)