



Data Projector

Incredible Brightness and a Convenient Wireless Capability

The VPL-CX85 is a state-of-the-art compact projector that boasts an incredible brightness of 3000 ANSI lumens. Clear presentations can be made in classrooms and meeting rooms with an average capacity of up to 50 people. The Air Shot™ feature – a Sony original wireless-transmission function – is ideal for smooth and easy presentations without the inconvenience of untidy cables.

The VPL-CX85 is easy to set up using the Intelligent Auto Setup feature that instantly readies your projector for use at the push of a button. The projector's Side Shot™ feature allows you to place the projector off-axis from the centre of the screen. If you're looking for an innovative compact projector, the VPL-CX85 is the ideal choice.

Features

- True XGA Resolution
- Wireless Function Air Shot™ for more sophisticated presentation and communication
- High brightness of 2200 ANSI lumens (Standard mode)/ 3000 ANSI lumens (High mode)
- User-friendly presentation tool available as standard
- Multiple input/output terminals for flexibility in system integration
- Side Shot™
- Off and Go function
- Direct Power On/Off function for the central control of the power ON/OFF
- Whisper quiet operation
- RS-232C I/F and Web browser function with Air Shot™ for projector control
- Memory Stick® function
- Powered lens zoom and lens focus controls
- Intelligent Auto Setup as with the Sony ultra-compact projectors
- Password protection
- Control panel key lock to prevent unintentional adjustment
- Short throwing distance
- Optional anti-theft ceiling mount kit available
- 4-times digital zoom
- Freeze function
- Stylish design and compact body

Air Shot Wireless Presentations¹

The VPL-CX85 has a wireless transmission function², which eliminates the need for cable connections between PC and projector. This convenient feature makes it easy to switch presentations from one person to another - the presenter simply passes a USB wireless LAN module to the next presenter. It also allows mobility between PC and projector, so that you can pick up your PC and walk to another part of the room without fumbling with a cable.

One Package Solution

Wireless LAN card, USB wireless LAN module and Projector Station for Air Shot software (CD-ROM and USB Storage media) are all supplied in the projector box.

Simple Mode

Air Shot simple mode is a revolutionary new way of presenting, allowing you to establish wireless communication between the projector and a PC and to instantly begin a presentation. This feature is easy to use even for those not familiar with setting up wireless network systems.

Making Air Shot wireless presentations is as easy as 1, 2, 3!

- 1 Simply insert the wireless LAN card into the VPL-CX85 and turn on the projector.
- 2 Then, plug the USB wireless LAN module into your PC ...
- 3 And the image on your PC is automatically projected from the VPL-CX85.

Note: The Projector Station for Air Shot software application must be installed on the PC the first time the projector's Air Shot feature is used. This can be done by simply plugging the USB storage media into your PC and following the "Setup Wizard" instructions on your PC display³.

LAN Connection Capability⁴

In office environments with a wireless LAN capability, the VPL-CX85 can be accessed via a wireless LAN access point and used by any PC on the LAN. This configuration is convenient for remote maintenance and control of the projector.

1 & 2 See overleaf for Air Shot technical requirements.

3 When using Windows XP or Windows 2000, the user must be logged into an account with computer administrator access.

4 Simple mode cannot be used in this configuration. An IEEE 802.11b-compliant wireless LAN access point is required. Channels: 1 to 11. WEP: 128-bit (104)/ 64-bit (40). Air Shot may not function properly in certain wireless LAN environments

High-Speed Image Transfer

Wireless connections can sometimes introduce delays when transmitting images to the projector. However, the VPL-CX85 employs a Sony original compression and transmission technique allowing for smooth presentations with high-quality images.

Security Feature

The Air Shot wireless feature offers a high level of security preventing cross-communication between projectors and PCs by using an encryption function, WEP (Wired Equivalency Protection)⁵. This secure transmission function is automatically set, even in Simple Mode.

Multi-Connection Capability⁶

Up to five VPL-CX85 data projectors can be connected wirelessly, with the image from a single PC projected on each. This feature is ideal for large venues in which images have to be projected from various locations.

Web Browser Access⁷

In any of the various Air Shot configurations, including Simple Mode, LAN Configuration, and Multi-Connection Configuration, all VPL-CX85 projectors can be accessed via a web browser. The setup menu can be changed and maintenance information can be obtained via a user-friendly GUI.

Transmission Compliance

Air Shot complies with IEEE 802.11b (2.4-GHz frequency band).

¹ Requires the wireless LAN card, USB wireless LAN module and the Projector Station for Air Shot software application, all of which are supplied accessories. This software application can be installed in a PC using the supplied USB Storage Media. If Microsoft® Windows® 98 SE operating system is being used, then a driver in the CD-ROM must be installed so that the USB Storage Media can be used. Hardware/Software Requirements: Sony cannot guarantee the Air Shot feature will function properly on some computers even though the following requirements are satisfied. CPU: Intel® Pentium® III 600-MHz processor or faster Memory: 64 MB or more (128 MB or more is recommended). 128 MB or more is required when using Microsoft Windows XP HDD: 10 MB or more Resolution: VGA, SVGA, XGA, or SXGA Colour: 16-bit, 24-bit, or 32-bit colour OS: Microsoft Windows 98 SE/Windows ME/Windows 2000/Windows XP(Home/Professional editions).

² This wireless transmission function complies with IEEE 802.11b (2.4-GHz frequency band). Transmission may slow or stop due to interference from devices such as microwave ovens, wireless medical equipment, or barriers. Animation effects and the slide show function in Microsoft PowerPoint® presentations can be used; however, transmission delays may occur if a large number of effects are performed at once or if several slides are turned at once. Wireless transmission should not be used with video. Applications that use DirectX® application programming interface may not be displayed properly.

⁵ Sony cannot guarantee the security of wireless communications.

⁶ Simple mode cannot be used in this configuration. Up to 5 projectors can be connected to a single PC.

⁷ Requires Microsoft Internet Explorer 5.0 or later.

PrimeSupport

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We recognise that even with Sony reliability, problems do sometimes occur. That's why all Sony compact and portable projectors come supplied with a 3-year support pack which offers unique extra services and benefits:

- 3 Years Support
- Operational and issue management phone support in 5 languages
- Collection and delivery anywhere in EU, Norway or Switzerland

Eco Info :

- Halogenated flame retardants are not used in cabinets.
- Halogenated flame retardants are not used in printed wiring boards.
- Lead-free solder is used for soldering.
- Polystyrene foam for the packaging cushions is not used in packaging.
- Standby power consumption: 0.5 W (or less)

VPL-CX85 Specifications

Optical	
Projection System	3 LCD panels, 1 lens projection system
Panel	0.79-inch XGA LCD panel with Micro Lens Array 2,359,296 pixels (786,432 pixels x 3)
Projection lens	1.2 times F1.6 to 1.78, f23.5 to 28.2 mm
Lamp	190 W/150 W UHP
Screen coverage	40 to 300 inches (measured diagonally)
Keystone Correction Range	Max. ±30° horizontally, ±20° vertically*
Light Output	2200 ANSI lm (lamp mode standard)/ 3000 ANSI lm (lamp mode high)

Signals		
Colour system	NTSC3.58, PAL, SECAM, NTSC4.43, PAL-M, PAL-N, PAL60	
Resolution	Video	750 TV lines
	RGB	1024 x 768 pixels
Acceptable Signals	Computer	fH: 19-92 kHz, fV: 48-92 Hz (up to SXGA+ (fV: 60 Hz))
	Video	15 kHz RGB/Component 50/60 Hz, Progressive Component 50/60 Hz, DTV (480/60i, 575/50i, 480/60p, 540/60p, 575/50p, 720/60p, 720/50p, 1080/60i, 1080/50i), Composite video, Y/C video

General		
Speaker	Mono 1 W (max.) x 1	
Power Requirements	AC 100 to 240 V, 50/60 Hz	
Power Consumption	Max	280 W
	Standby	7 W (standard), 0.5 W (low)
Operating Temperature	0 to 35 °C (32 to 95 °F)	
Operating Humidity	35% to 85% (no condensation)	
Dimensions (W x H x D)	328 x 92.6 x 283.8 mm (13 x 3 3/4 x 11 1/4 inches)	
Mass	Approx. 3.8 kg	
Heat Dissipation	921.3 BTU	

Input/Output		
Video Input	S Video	Y/C Mini DIN 4-pin
	Composite	RCA pin jack
	Audio	Stereo mini jack
Input A	RGB/Component	Analogue RGB/Component (HD D-sub 15-pin female x 1)
	Audio	Stereo mini jack (A/B)
Input B	RGB	Analogue RGB (HD D-sub 15-pin female x 1)
	Audio	Stereo mini jack (A/B)
USB	Upstream (B type, female x 1)	
Wireless LAN	Wireless LAN card slot x 1	
Memory Stick	Memory Stick media slot x 1	
Output	RGB	Analogue RGB (HD D-sub 15-pin female x 1)
	Audio	Stereo mini jack (variable out)
Remote	RS-232C	D-sub 9-pin female x 1

Safety	
Regulations	UL1950, cUL (CSA 60950), DHHS, DNHW, FCC Class B, IC Class B, DEMKO (EN60950), CE (LVD, EMC), C-Tick, Dentori, VCCI Class B
Laser	Class II, 1 mW output

Supplied Accessories			
IFU-WLC1 Wireless LAN card	Remote Commander: RM-PJM17, AA sized batteries (x2), Presentation Tool: RM-PJP1, AAA sized batteries (x2),	HD D-sub 15-pin cable (2m), USB cable A type to B type, Security Label, Air Filter (replacement), Operating Instructions,	Quick Reference Sheet, CD-ROM (application software), AC Power Cord.
IFU-WLM1 USB Wireless LAN module, USB Storage Media, Carrying Case			

Optional Accessories	
LMP-C190 PSS-AT3	Replacement Lamp Anti-theft ceiling mount kit

* Horizontal and vertical keystone correction ranges are dependent on one another. Maximum keystone correction may vary with input signal.

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