

SONY[®]

Data Projector
VPL-CX5/CS5

Bright, Stylish and Spectacular in Action.



Superb brightness and fashionable design make these projectors the preferred choice for professional presentations.

The VPL-CX5 and VPL-CS5 are the latest additions to a Sony family of high-quality portable projectors that are helping business professionals get their ideas across -- across the street, or across the country. Compact and lightweight, the VPL-CX5 provides spectacular brightness of 2000 ANSI lumens*, true XGA (1024 x 768) resolution and a full range of performance and convenience functions. The VPL-CS5 gives you true SVGA (800 x 600) resolution with brightness of 1800 ANSI lumens, making it a cost-effective choice for smaller audiences and less complex graphics.

*ANSI lumen is a measuring method of the American National Standard Institute IT7.228.





Superb brightness of 2000 ANSI lumens (VPL-CX5) and 1800 ANSI lumens (VPL-CS5)

For superb brightness, both new Sony portable projectors use Sony's original Virtual Light system with an all-new super high aperture liquid crystal panel and a newly developed ultra-bright 165W UHP lamp. An elliptical reflector provides an extremely smooth surface that collects light with exceptional efficiency and a concave lens provides very small and precise light source. All together, these innovations give you a brighter, sharper, more eye-pleasing image.

Cutting-edge style, carry-on portability

With simple, elegant cabinet design, the VPL-CX5 and VPL-CS5 take projector styling to new levels. Just the buttons most commonly used are located on the sleek top panel, giving the cabinet a flat, smooth appearance and making it easy to handle when you're in transit. Other controls and connectors are conveniently concealed behind a cover when not in use.

To lighten your load, the VPL-CX5 and VPL-CS5 each weigh less than 2.7 kg (5 lb15 oz). Both models provide a handsome, durable carrying bag, so they can be always at your side and ready for action anywhere, anytime.



Smart Presentations

Present with "Memory Stick" media (VPL-CX5 only)

Why count on an external computer? With high-performance "Memory Stick" media, you can make PC-less presentations that run right from your projector. Showing Microsoft PowerPoint® presentations, TIFF and JPEG files, even digital photos¹ is a snap, with no need to connect a PC to the projector and you'll have control functions such as Auto Run or Start Up to make your presentations look even more professional.



Easy file preparation for still pictures and movies (VPL-CX5 only)

You can easily create slide shows or on-screen movies by using a JPEG still picture file or an MPEG1 movie file. PowerPoint (PPT, PPS) presentations, BMP, TIFF and JPEG files can be edited and saved on "Memory Stick" media² with simple drag & drop operation³ using supplied Sony Projector Station (for presentation) software.⁴ Even files in different formats can be automatically combined into a single file.



USB compatibility, remote control convenience

Both the VPL-CX5 and VPL-CS5 are USB-ready — supplied with a dedicated remote control unit that gives you integrated wireless mouse function for point-and-click control of your USB-connected computer.

The control unit is equipped with keys to control multiple functions quickly and easily, providing seamless presentations that keep your audience involved.



Projector Station software (VPL-CX5 only)

Connect a PC running Sony Projector Station (for control) software⁴ to your projector's USB port, and you can select input and Picture Muting from your PC. When your presentation materials have been assigned to the software beforehand, they can be opened instantly.

* 1 Digital files complying with the DCF standard are supported.

* 2 "Memory Stick" media can display the following MPEG-1 movie formats: MPEG MOVIE, MPEG MOVIE EX, MPEG MOVIE CV, MPEG MOVIE HQ, MPEG MOVIE AD, and MPEG1 from VAIO® Giga Pocket™ devices (equivalent to a Video CD).

* 3 All files are converted to JPEG format.

* 4 Projector Station software is supplied with VPL-CX5 only.

Projector Station software requirements: Microsoft Windows® 98, Windows 98 SE, Windows Me, Windows 2000 operating systems or Windows XP.

A wide range of powerful inputs

Both the VPL-CX5 and VPL-CS5 have a built-in scan converter, so they can accept a composite video, component video or RGB video input signals. The VPL-CX5 also accepts PC signals up to SXGA+, while the VPL-CS5 accepts signals up to XGA resolution.



Other features to make presentations more professional

On-board audio support

An audio amplifier and speaker are included, so you can provide audio in your presentations without adding an external amp and speaker system.

On-screen display in 9 languages

The on-screen display for projector control is available in nine languages: English, French, Spanish, German, Italian, Portuguese, Japanese, Chinese and Korean. You can also alter screen position and color to suit your preference.



4X digital zoom

Freeze & Picture Muting functions

Intelligent Auto Setup

Ready to present? Just turn on the power, and your projector initiates a host of sophisticated functions. The previous setting of each function is held in memory and recalled automatically.

Powered lens protector

When power is switched on, the powered lens protector opens automatically. You never waste time looking for a missing lens cover — it's always safe on your projector.



Powered tilt adjuster and Auto Keystone Correction

A power operated tilt adjuster sets the projector's shooting angle, and keystone distortion is automatically corrected according to the tilt angle. The tilt angle is adjustable from the remote control unit and the new setting is retained in memory. Keystone distortion can be corrected up to 15 degrees. This means you can project images with correct geometry even where installation space is limited.

Auto



Powered tilt



Auto Keystone

Smart APA (Auto Pixel Alignment)

A Smart APA function automatically sizes and adjusts your image display for optimum picture performance. You are free from making those difficult and time-wasting adjustments.

Auto input search

Images are projected instantly, because the VPL-CX5 and VPL-CS5 automatically detect the presence of a connected input signal when you put on the power or push the input button.



Specifications

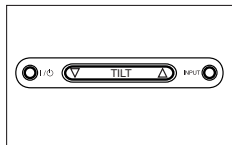
		VPL-CX5	VPL-CS5	
OPTICAL	Projection system	3 LCD panels, 1 lens projection system		
	LCD panel	0.7-inch p-Si TFT LCD panel with Micro Lens Array, 2,359,296 pixels (786,432 pixels x 3)	0.7-inch p-Si TFT LCD panel, 1,440,000 pixels (480,000 pixels x 3)	
	Projection lens	1.2 times zoom lens, F1.8 to 2.15, f28.2 to 33.8 mm		
	Lamp	165 W UHP lamp		
	Screen coverage*1	40 to 150 inches		
	Light output	2000 ANSI lumens*2	1800 ANSI lumens*2	
	Throwing distance (Screen size*1)			
	40-inch	1.5 to 1.9 m		
	60-inch	2.3 to 2.9 m		
	80-inch	3.1 to 3.8 m		
100-inch	3.9 to 4.8 m			
120-inch	4.7 to 5.7 m			
150-inch	5.9 to 7.2 m			
SIGNALS	Color system	NTSC, PAL, SECAM, NTSC 4.43, 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 92 kHz, fV: 48 to 85 Hz), Maximum resolution : SXGA + (fV : 60Hz) 15 kHz component 50/60 Hz system, composite video, Y/C video	RGB (fH: 15 to 70 kHz, fV: 48 to 85 Hz), Maximum resolution : XGA (fV : 85Hz) 15 kHz component 50/60 Hz system, composite video, Y/C video	
GENERAL	Speaker	Max. 1 W (mono)		
	Power requirements	AC 100 to 240 V, 50/60 Hz		
	Power consumption	Max. 240 W, Standby 7 W	Max. 240 W, Standby 5 W	
	Operating temperature	0 to 35 °C (32 to 95 °F)		
	Operating humidity	35 to 85 %		
	Dimensions*3	285 (W) x 68 (H) x 228 (D) mm		
	Mass	Approx. 2.7 kg (5 lb 15 oz)		
	Heat dissipation	819 BTU		
	INPUTS / OUTPUTS	VIDEO IN		
		Composite	Phono, 1.0 Vp-p ±2 dB, sync negative, 75 Ω	
Y/C IN		Mini DIN 4-pin		
Y		1.0 Vp-p ±2 dB, sync negative, 75 Ω		
C		Burst 0.286 Vp-p ±2 dB (NTSC), 75 Ω or 0.3 Vp-p ±2 dB (PAL), 75 Ω		
INPUT A				
Analog RGB/Component		HD D-sub 15-pin (female)		
R/R-Y		0.7 Vp-p ±2 dB, positive, 75 Ω		
G		0.7 Vp-p ±2 dB, positive, 75 Ω		
G with Sync/Y		1.0 Vp-p ±2 dB, sync negative, 75 Ω		
B/B-Y		0.7 Vp-p ±2 dB, positive, 75 Ω		
SYNC/HD				
Composite sync		1.0 to 5.0 Vp-p, high impedance positive/negative		
Horizontal sync		1.0 to 5.0 Vp-p, high impedance positive/negative		
VD				
Vertical sync	1.0 to 5.0 Vp-p, high impedance positive/negative			
"Memory Stick"	x 1	—		
USB	Up (B type female)			
AUDIO IN	Stereo mini jack, 500 mV rms, impedance more than 47 kΩ			
SAFETY REGULATIONS	UL, cUL, FCC Class B, IC Class B, NEMKO, CE (LVD), CE (EMC), C-Tick, CCIB			
SUPPLIED ACCESSORIES	Remote Commander, Monitor Cable, USB Cable: A type to B type, Carrying Bag, Ferrite Core, AA size Battery (2), Air Filter, AC Power Cord, Operation Manual, Quick Reference Sheet, CD-ROM (Application Software), "Memory Stick"	Remote Commander, Monitor Cable, USB Cable: A type to B type, Carrying Bag, Ferrite Core, AA size Battery (2), Air Filter, AC Power Cord, Operation Manual, Quick Reference Sheet		

*1 Viewable area, measured diagonally.

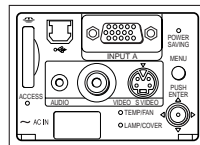
*2 ANSI lumens is a measuring method of the American National Standards Institute IT7.228.

*3 Excluding all protruding parts.

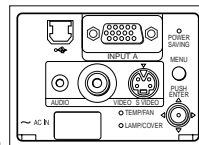
Control Panel



Connector Panel



VPL-CX5



VPL-CS5

Preset Data of Input Signals

Memory No.	Preset Signal	fH (kHz)	fV (Hz)	H/V Polarity
1	Video 60 Hz	15.734	59.940	-
2	Video 50 Hz	15.625	50.000	-
3	15 K RGB/Component 60 Hz	15.734	59.940	S on G
4	15 K RGB/Component 50 Hz	15.625	50.000	S on G
5				
6	640 x 350 VGA mode 1	31.469	70.086	P/N
7	VGA VESA 85 Hz	37.861	85.080	P/N
8	640 x 400 PC-9801 Normal	24.823	56.416	N/N
9	VGA mode 2	31.469	70.086	N/P
10	VGA VESA 85 Hz	37.861	85.080	N/P
11	640 x 480 VGA mode 3	31.469	59.940	N/N
12	Macintosh 13"	35.000	66.667	N/N
13	VGA VESA 72 Hz	37.861	72.809	N/N
14	VGA VESA 75 Hz	37.500	75.000	N/N
15	VGA VESA 85 Hz	43.269	85.008	N/N
16	800 x 600 SVGA VESA 56 Hz	35.156	56.250	P/P
17	SVGA VESA 60 Hz	37.879	60.317	P/P
18	SVGA VESA 72 Hz	48.077	72.188	P/P
19	SVGA VESA 75 Hz	46.875	75.000	P/P
20	SVGA VESA 85 Hz	53.674	85.061	P/P
21	832 x 624 Macintosh 16"	49.724	74.550	N/N
22	1024 x 768 XGA VESA 43 Hz	35.524	86.958	P/P
23	XGA VESA 60 Hz	48.363	60.004	N/N
24	XGA VESA 70 Hz	56.476	69.955	N/N
25	XGA VESA 75 Hz	60.023	75.029	P/P
26	XGA VESA 85 Hz	68.677	84.997	P/P
27	1152 x 864 SXGA VESA 70 Hz	63.995	70.019	P/P
28	SXGA VESA 75 Hz	67.500	75.000	P/P
29	SXGA VESA 85 Hz	77.487	85.057	P/P
30	1152 x 900 Sunmicro LO	61.795	65.960	N/N
31	Sunmicro HI	71.713	76.047	C Neg
32	1280 x 960 SXGA VESA 60 Hz	60.000	60.000	P/P
33	SXGA VESA 75 Hz	75.000	75.000	P/P
34	1280 x 1024 SXGA VESA 43 Hz	46.433	86.872	P/P
35	SGI-5	53.316	50.062	S on G
36	SXGA VESA 60 Hz	63.974	60.013	P/P
37	SXGA VESA 75 Hz	79.976	75.025	P/P
38	SXGA VESA 85 Hz	91.146	85.024	P/P
52	1400 x 1050 SXGA +60 Hz	63.981	60.02	N/N

* Contact your local Sony sales office if you would like to input a signal not listed in the above chart.

Optional Accessories

Projector Lamp (for replacement)
LMP-C150



LMP-C150

Signal Cables

SMF-402

(HD D-sub 15-pin to HD D-sub phono x 3, for component signal)

50-inch Portable Screen

VPS-50C*

* Not available in some areas.

For details, please contact your nearest Sony office.



- Power consumption during standby 7.0W (VPL-CX5)
- Power consumption during standby 5.0W (VPL-CS5)
- Halogenated flame retardant is not used in cabinets.
- Cushion materials formed by corrugated board are used in packing materials.

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