SONY

Your Presentations Will Take on a Whole New Look.

LCD Data Projector

VPL-CS1

Ultra-compact and extremely lightweight

Thanks to newly developed 0.7-inch LCD panels and a unique design, the VPL-CS1 is ultra-compact and weighs approx. 2.9 kg (6.4 lbs.). What's more, this projector comes with a carrying case and has an easy-to-grip handle and detachable strap that allow you to take it anywhere.

600 ANSI lumens brightness

Despite its compact dimensions, the VPL-CS1 incorporates advanced Sony technologies that provide an impressive 600 ANSI lumens of brightness. A new 120 W UHP lamp and brighter lens, together with Sony's unique 0.7-inch SVGA LCD panels and optical unit produce industry-leading levels of image clarity.

SVGA VPL-CS1

Quiet operation

Thanks to its new cooling structure, the VPL-CS1 operates with a low noise level. The use of sapphire glass on the polarizer dramatically reduces heat buildup, making only two internal fans necessary.

Exquisite form, handy function

The sleek front hood not only protects the lens from damage but also serves as the projector's front stand when flipped open. The rear stand extends simultaneously when the front hood is opened.

Computer friendly

With a hot plug-and-play USB hub and Sony "PROJECTOR STATION" software*, the VPL-CS1 makes for professional presentations. The projector is fully controllable from a computer, and presentation files registered in the software can be opened by pressing the function keys on the supplied RM-PJM1 remote control unit.

**PROJECTOR STATION software requirements: Microsoft® Windows® 98 operating system.*

PROJECTOR STATION

RM-PJM1

Introducing Sony's Perfect

The Take It Anywhere, Do It All Projector It's a So

ultra-compact, extremely portable, and packed with

Keep in step with the latest from Sony and yo

t Package of Performance.

ny. And that's why the VPL-CS1 LCD Data Projector is
advanced technologies for impressive image clarity.
ur presentations will never be the same again.

Actual projector size

Multiscan converter

The VPL-CS1 accepts a wide variety of input signals, with 37 preset signal formats covering any video format used worldwide and PC signals up to SXGA. Just plug in your computer with the supplied cable and you get a great picture with no need for complex adjustments.

Various inputs

The VPL-CS1 accepts various input signals: Composite video, S video, Y/Cb/Cr and RGB.

Connector

Advanced APA

The new APA (Auto Pixel Alignment) algorithm covers not only dot phase but also size and shift adjustments. Just press the APA button to automatically adjust dot phase and image size or shift to their optimal settings.

Control panel

Digital keystone adjustment

Keystone distortion can be electronically corrected with this function. The adjustable range of 20 degrees can be controlled via the on-screen display menu. The correction data is stored in the unit when the KEYSTONE MEMORY menu is set to ON.

Impressive stereo sound

For excellent audio performance, the compact VPL-CS1 comes fully equipped with stereo speakers.

User-friendly menus

On-screen menus guide you every step of the way in projector control – in seven languages of your choice: English, French, Spanish, German, Italian, Japanese or Chinese.

Digital zoom function

The 4-times digital zoom function can be easily controlled from the optional RM-PJ610 remote control unit.

Specifications

Model		VPL-CS1
Optical	Projection system	3 SVGA LCD panels, 1 lens projection system
	LCD panels	0.7-inch p-Si TFT SVGA LCD panels, 1,440,000 (480,000 x 3) pixels
	Lamp	120 W UHP
	Projection lens	1.3 times zoom lens, F 1.7 to 2.1, f 28.74 to 37.36 mm
	Screen coverage	40 to 150 inches (viewable area, measured diagonally)
	Light output	600 ANSI lumens[*1]
	Throwing distance	
	40-inch	1580 to 2010 mm (62 1/4 to 78 25/32 inches)
	60-inch	2390 to 3060 mm (94 1/8 to 120 1/2 inches)
	80-inch	3210 to 4100 mm (126 1/2 to 161 1/2 inches)
	100-inch	4030 to 5150 mm (158 11/16 to 202 7/8 inches)
	120-inch	4850 to 6200 mm (191 to 244 1/8 inches)
	150-inch	6080 to 7780 mm (239 1/2 to 306 3/8 inches)
Signals	Color system	NTSC, PAL, SECAM, NTSC4.43, PAL-M, PAL-N (automatically/manually selected)
	Resolution	600 TV lines (video), 800 x 600 pixels (RGB)
	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	Speakers	Max. 0.5 W x 2 (stereo)
	Power requirements	AC 100 to 240 V, 50/60 Hz
	Power consumption	Max. 190 W, standby 4.2 W
	Operating temperature	0 to 35 °C (32 to 95 °F)
	Operating humidity	35 to 85%
	Dimensions	277 (W) x 70 (H) x 214 (D) mm (11 x 2 7/8 x 8 1/2 inches)
	Mass	Approx. 2.9 kg (6 lb 6 oz)
	Heat dissipation	648.4 BTU
Inputs/Outputs	VIDEO	
	Composite	Phono type, 1.0 Vp-p ±2 dB, sync negative, 75 Ω
	VIDEO	
	Y/C IN	Mini DIN 4-pin
	Y	1 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 to 5 Vp-p, high impedance positive/negative
	Horizontal sync	1 to 5 Vp-p, high impedance positive/negative
	VD	
	Vertical sync	1 to 5 Vp-p, high impedance positive/negative
	MOUSE IN	6-pin (female)
	USB HUB	UP (B type female) x 1, Down (A type female) x 1
	AUDIO IN	Stereo mini jack, 500 mV rms, impedance more than 47 kΩ
Safety regulations		UL1950, CSA No.950, FCC Class B, IC Class B, EN 60 950 (NEMCO), CE, C-Tick, CCIB, VCCI Class B
Supplied accessories		Remote control unit RM-PJM1, Monitor cable SMF-410 (2 m): HD D-sub 15-pin to HD D-sub 15-pin, PS/2 Mouse cable (2 m), USB cable A type to B type, USB application software "PROJECTOR STATION", Carrying bag, AAA size battery (x 2), Air filter, Operating manual, Quick reference sheet

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

Preset Data of Input Signals

Memory No.	Preset Signal		fH (kHz)	fV (Hz)	H/V Polarity
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	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	S on G
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	43.479	P/P
23		XGA VESA 60 Hz	48.363	60.004	N/N
24		XGA VESA 70 Hz	56.476	70.069	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	70.016	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	43.436	P/P
35		SGI-5	53.516	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

Optional Accessories

Projector lamp
LMP-C120
(for replacement)

Remote control unit
RM-PJ610

Monitor cables
SMF-400
SMF-410

Signal cable
SMF-402

Macintosh® adaptor
ADP-20 (Macintosh to VGA)

50-inch portable screen
VPS-50C*

LMP-C120

* Not available in some areas. For details, please contact your nearest Sony office.

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