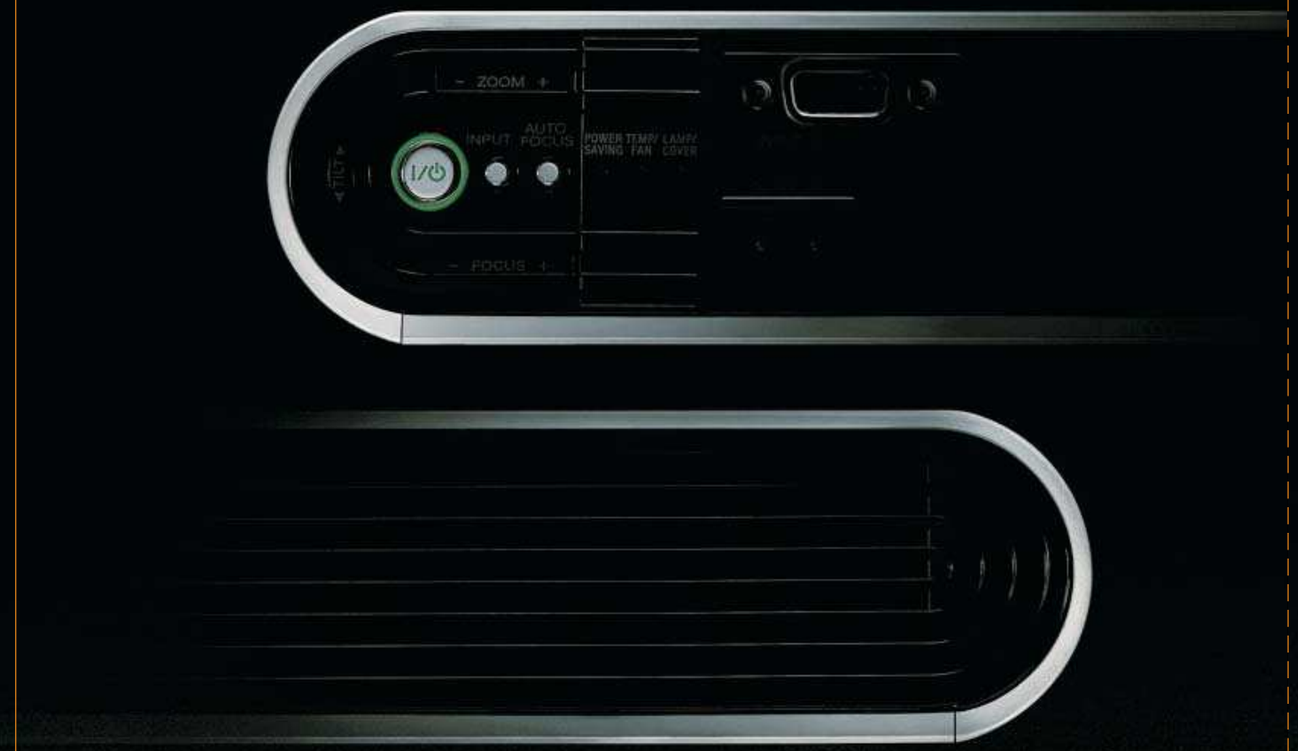
SONY

LCD PROJECTOR
CX20/CS20



The Sleek, Stylish Performer

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3LCD LCD PROJECTOR

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THE SLEEK, STYLISH PERFORMER

With their slim, minimalist designs, the new range of Sony LCD projectors offer an ideal match to your ultra-modern business office. Combining stylish curves, superb performance and compact portability, it enhances your corporate image.

Combining intelligent set-up functions, powerful 2000 ANSI Lumens brightness and Multi-input versatility, the new VPL-CX20 and VPL-CS20 projectors are exceptionally user-friendly. Both also incorporate the latest 3LCD Technology with Sony LCD panels for optimum colour reproduction and true-to-life clarity, delivering a truly stunning presentation every time!

SPECIFICATIONS

Model		VPL-CX20	VPL-CS20
OPTICAL	Projection System	3 LCD Panels, 1 Lens Projection System	
	LCD Panel	0.63-inch Sony LCD Panel with Micro Lens Array	
		2,359,296 Pixels (786,432 Pixels x 3)	1,440,000 Pixels (480,000 Pixels x 3)
	Projection Lens	Approx. 1.2 Times Zoom Lens, F1.6 ~ 1.94, f18.8 ~ 22.6mm	
	Lamp	165/125W UHP Lamp	
	Screen Coverage	40 ~ 300 Inches (Viewable Area, Measured Diagonally) 40 ~ 150 Inches (Auto Focus Operation)	
	Light Output	2000 / 1500 ANSI Lumens*	
SIGNALS	Colour System	NTSC3.58, PAL, SECAM, NTSC4.43, PAL-M, PAL-N, PAL60 (Automatically / Manually Selected)	
	Resolution	Video: 750 TV Lines, RGB: 1024 x 768 Pixels	Video: 600 TV Lines, RGB: 800 x 600 Pixels
	Acceptable Computer Signals	RGB [fH: 19-92kHz, fV: 48-92Hz (Up to SXGA +/- fV 60Hz)]	
	Acceptable Video Signals	15kHz RGB/Component 50/60Hz, Progressive Component 50/60Hz DTV (480/60i, 575/50i, 480/60p, 575/50p, 720/60p, 720/50p, 1080/60i, 1080/50i), Composite Video, Y/C Video	
GENERAL	Speaker	Mono Speaker System 40 x 20mm (1 5/8 x 2 7/8 Inches) Max. 1W	
	Power Requirements	AC 100 ~ 240V, 2.2-1A, 50/60Hz	
	Power Consumption	Max. 220W, Standby 0.8W	
	Operating Temperature	0 to 35°C (32 to 95°F)	
	Operating Humidity	35 to 85% (No Condensation)	
	Heat Dissipation	70.7 BTU	
	Dimensions (W x H x D)	273mm x 210mm x 52mm	
	Mass	Approx. 1.9kg / 4.2lbs	
INPUTS/OUTPUTS			
Audio/Video Input		A/V Multi Adaptor	
	Video: Composite	1.0 Vp-p ± 2dB Sync Negative, 75Ω	
	S/Video	Mini DIN 4-pin	
	Y	1.0 Vp-p ± 2dB Sync Negative, 75Ω	
	C	Burst 0.286 Vp-p 2dB (NTSC), 75Ω or 0.3 Vp-p 2dB (PAL), 75Ω	
	Audio:	Rated Input 500mV rms, Impedance 47kΩ	
INPUT A	Analog RGB	HD D-sub 15-pin (Female)	
	R	0.7 Vp-p ± 2dB Positive, 75Ω	
	G	0.7 Vp-p ± 2dB Positive, 75Ω	
	G with Sync	1.0 Vp-p ± 2dB Sync Negative, 75Ω	
	B	0.7 Vp-p ± 2dB Positive, 75Ω	
	SYNC/HD		
	Composite Sync	TTL Level Positive / Negative	
	Horizontal Sync	TTL Level Positive / Negative	
	VD		
	Vertical Sync	TTL Level Positive / Negative	
SAFETY REGULATIONS		UL1950, cUL (CSA 60950), FCC Class B, IC Class B, NEMKO (EN60950), CE (LVD, EMC), C-Tick, Denan, VCCI Class B	
SUPPLIED ACCESSORIES		Remote Commander with Lithium Battery CR2025 (1), RGB Cable (2m): HD D-sub 15-pin to HD D-sub 15-pin, A/V Connecting Adaptor, Carrying Case, Security Label, Operating Instructions (CD-ROM), Quick Reference Manual, Safety Regulations Booklet	

** ANSI Lumens is a measuring method of the American National Standards Institute IT7.228. Since there is no uniform method of measuring brightness, specifications will vary among manufacturers.*

No.		Preset Signal	fH (kHz)	fV (Hz)	H/V
1	VIDEO/60	60Hz	15.734	59.940	-
2	VIDEO/50	50Hz	15.625	50.000	-
3	480/60i	480/60i	15.734	59.940	S on G/Y
4	575/50i	575/50i	15.625	50.000	S on G/Y
5	480/60p	480/60p (Progressive Component)	31.470	60.000	S on G/Y
6	575/50p	575/50p (Progressive Component)	31.250	50.000	S on G/Y
7	1080/60i	1035/60i, 1080/60i	33.750	60.000	S on G/Y
8	1080/50i	1080/50i	28.130	50.000	S on G/Y
9	720/60p	720/60p	45.000	60.000	S on G/Y
10	720/50p	720/50p	37.500	50.000	S on G/Y
11	640 X 350	VGA Mode 1	31.469	70.086	P/N
12		VGA VESA 85Hz	37.861	85.080	P/N
13	640 X 400	PC-9801 Normal	24.823	56.416	N/N
14		VGA Mode 2	31.469	70.086	N/P
15		VGA VESA 85Hz	37.861	85.080	N/P
16	640 X 480	VGA Mode 3	31.469	59.940	N/N
17		Macintosh 13"	35.000	66.667	N/N
18		VGA VESA 72Hz	37.861	72.809	N/N
19		VGA VESA 75Hz	37.500	75.000	N/N
20		VGA VESA 85Hz	43.269	85.008	N/N
21	800 X 600	SVGA VESA 56Hz	35.156	56.250	P/P
22		SVGA VESA 60Hz	37.879	60.317	P/P
23		SVGA VESA 72Hz	48.077	72.188	P/P
24		SVGA VESA 75Hz	46.875	75.000	P/P
25		SVGA VESA 85Hz	53.674	85.061	P/P
26	832 X 624	Macintosh 16"	49.724	74.550	N/N
27	1024 X 768	XGA VESA 60Hz	48.363	60.004	N/N
28		XGA VESA 70Hz	56.476	69.955	N/N
29		XGA VESA 75Hz	60.023	75.029	P/P
30		XGA VESA 85Hz	68.677	84.997	P/P
31	1152 X 864	SXGA VESA 70Hz	63.995	70.019	P/P
32		SXGA VESA 75Hz	67.500	75.000	P/P
33		SXGA VESA 85Hz	77.487	85.057	P/P
34	1152 X 900	SUN LO	61.795	65.960	N/N
35	1280 X 960	SXGA VESA 60Hz	60.000	60.000	P/P
36		SXGA VESA 75Hz	75.000	75.000	P/P
37	1280 X 1024	SXGA VESA 60Hz	63.974	60.013	P/P
38		SXGA VESA 75Hz	79.976	75.025	P/P
39*		SXGA VESA 85Hz	91.146	85.024	P/P
40	1400 x 1050	SXGA+ 60Hz	63.981	60.020	N/N

** For memory number 39, the smart APA function and the APA key on the remote commander is not active. Make adjustments for the input signal using the Adjust Signal on the Input setting menu.*

Optional Accessories

Projector Lamp
LMP-C162

Presentation Tool Kit
RM-PJPK1

Lead-free solder is used for soldering all parts including circuit component electrodes.
Halogenated flame retardants are not used in cabinets.
Polystyrene foam for the packaging cushions is not used in packaging.

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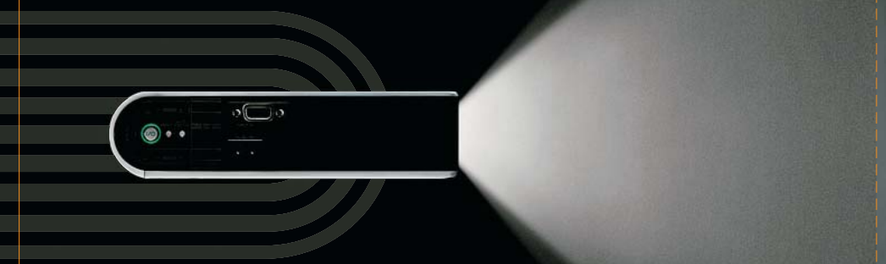
CX20/CS20



REMARKABLY USER-FRIENDLY

Advanced Intelligent Auto Setup

Enjoy one-stop, automated setups for your projector. Using this feature, you can save your preferred settings in the memory for easy recall anytime. Simply switch on the projector and start presenting immediately - so you can concentrate more on your presentation and less on preparation.

As soon as the power is turned on, the projector initiates a host of sophisticated setup functions.

¥ Built-in Lens Protector
The hard acrylic lens protector is inset into the body of the projector itself, so you won't have to worry about removing the cover before turning on the power.

¥ Auto Focus*
Focus on the projection is adjusted automatically upon start up. This setting can also be easily activated from the handy Remote Control. *Applicable only to screen size of up to 150 inches.

¥ Auto Input Search
Detects the presence of a connected input signal automatically and enables images to be projected instantly when power is switched on or when input button is pushed.

¥ Power Tilt Adjuster
Projector automatically reverts to the last saved setting upon power on.

¥ Auto Keystone Correction
Automatically corrects distortion up to 15 degrees, allowing images to be projected with correct geometry even where installation space is limited.

¥ Smart APA (Auto Pixel Alignment)
The smart APA function automatically sizes and adjusts PC images displays for optimum picture performance allowing users to concentrate on their presentations, rather than time-consuming technical adjustments.

SIMPLY DAZZLING

3LCD Technology

The newest evolution in high-performance projector technology, the VPL-CX20 and VPL-CS20 utilise advanced 3LCD Technology with Sony panels to deliver matchless brilliance and projection quality. This innovative system splits the light from the lamp into its basic red, green and blue components, then shines these individual colours through three separate liquid crystal panels. This allows purer, sharper and more defined colour reproduction and detail – down to the smallest dot.

Benefits of 3LCD Technology:

¥ Superb Brightness
Light efficiency is maximised even with normal room lighting, ensuring that images are always sharp and vivid, without being harsh on the eyes.

¥ True-to-life Images
Since colours are carefully controlled and recombined, images take on vivid, more natural hues, without the colour break-up that sometimes occurs with other projectors.

¥ Fine Detail
With this technology, even the smallest details are projected clearly, including fine gradations and dark spots

With the 3LCD Technology, you enjoy:

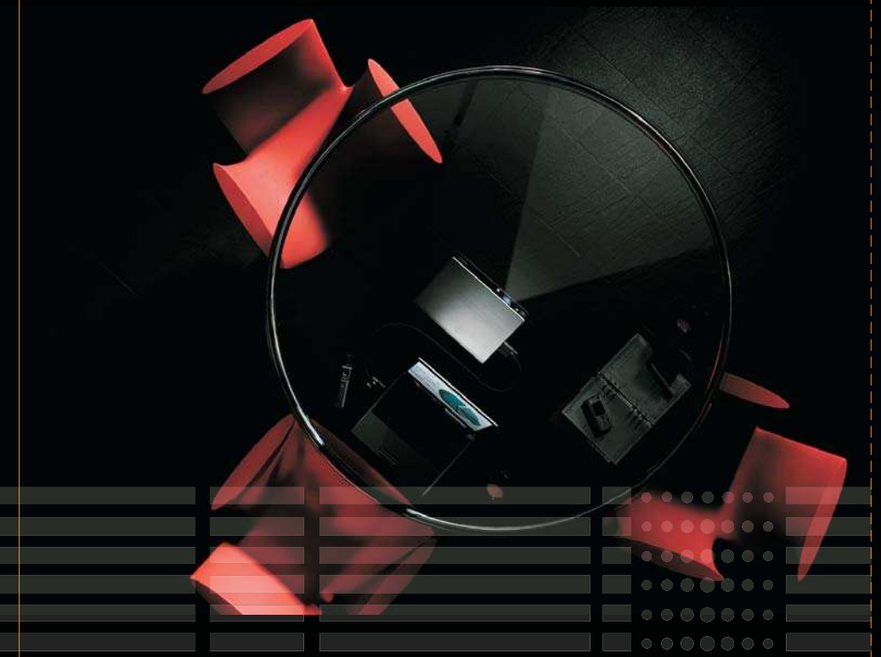
Sony's unique 3LCD optical unit

Brilliant Display with True XGA & SVGA Resolution

Witness image quality like never before. Marvel at the crisp clarity of the 1024 x 768 pixels XGA resolution of the VPL-CX20, or be delighted by the 800 x 600 pixels SVGA resolution of the VPL-CS20.

2000 ANSI Lumens

Achieves high brightness of 2000 ANSI Lumens for great image quality.



Security

Experience advanced security features with VPL-CX20 / VPL-CS20.

- **Password-authentication System**
  Set a password requirement to ensure that only authorised users have access to the projector.
- **Control Key Panel Lock**
  To ensure that settings are not accidentally changed, the top and side panels of the projector may be locked.
- **Security Lock**
  It is also possible to connect to an optional security cable for that extra peace of mind.

Freeze Function

Use this function to freeze an image being projected while you access the PC to set up your next image or presentation.

Digital Zoom Function

Using the Remote Control, you can activate the 4x Digital Zoom function to focus attention on specific images or details.

HD-Ready

Accepts high definition and DVD progressive signals, in addition to standard NTSC/PAL signals.

Low Fan Noise

Sony's range of projectors are incredibly quiet. Through a highly efficient cooling system, fan noise is suppressed to a mere 32 decibels – one of the quietest in its class.

Super Large Screen Viewing

Enhance the impact of your presentations, corporate videos or JPEG images up to 300" screen size* with extra large-screen viewing capabilities. *up to 150" for Auto Focus operation

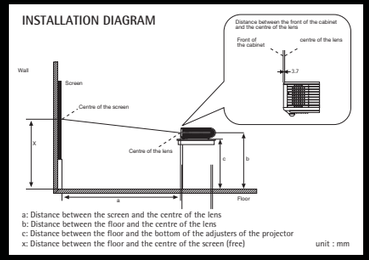
CX20/CS20

Wide Range of Powerful Inputs & Easy Access Controls

With the built-in scan converter, these projectors can accept a wide range of signals from both PC (VGA up to SXGA+) via a HD-15 input and video (component, composite, S-Video) input signals, giving you more flexibility when connecting to different input devices. Even input signals with interlace or progressive lines can be displayed easily.

Short Throwing Distance

Using the short focal lens, you can fill an entire 80-inch screen at a focal length as short as 2.3m. This allows you to project large-sized images in a limited space.



a: Distance between the screen and the centre of the lens
b: Distance between the floor and the centre of the lens
c: Distance between the floor and the bottom of the adjusters of the projector
x: Distance between the floor and the centre of the screen (free)
unit : mm

<mm>

Screen Size (inches)		40	60	80	100	120	150	200	250	300
a	Min.	1190	1800	2400	3010	3620	4520	6040	7560	9080
	Max.	1370	2070	2760	3460	4160	5200	6940	8680	10420
b		x-203	x-305	x-406	x-508	x-610	x-762	x-1016	x-1270	x-1524
c		x-240	x-342	x-443	x-545	x-646	x-799	x-1053	x-1307	x-1561

<inch>

Screen Size (inches)		40	60	80	100	120	150	200	250	300
a	Min.	46 - 7/8	70 - 7/8	94 - 1/2	118 - 5/8	142 - 5/8	178 - 3/8	237 - 7/ 8	297 - 3/4	357 - 5/8
	Max.	54	81 - 5/8	108 - 3/4	136 - 1/4	163 - 7/8	204 - 3/4	273 - 3/ 8	341 - 7/8	410 - 3/8
b		x-8	x-12	x-16	x-20	x-24	x-30	x-40	x-50	x-60
c		x-9 - 1/2	x-13 - 1/2	x-17 - 1/2	x-21 - 1/2	x-25 - 1/2	x-31 - 1/2	x-41 - 1/2	x-51 - 1/2	x-61 - 1/2

CX20/CS20

INSPIRED DESIGN

Slim, Stylish And Lightweight

Weighing in at 1.9kg, the new VPL-CX20 and VPL-CS20 are designed for maximum portability and convenience without sacrificing projection power. Its slim (52mm) and stylish body is carefully molded using a unique nanomolding process, which allows aluminium to bond closely with resin to create a light, yet very strong and durable material. Non-frequently used buttons are hidden behind a cover to give you a cleaner design. And, its gently rounded edge is also designed to fit snugly into the hand – making it a pleasure to carry with you to your meetings.

Off & Go

Incorporates a built-in circuit that continues to run its cooling fan, so just unplug the projector and go on to your next presentation – without wasting time.