CPX1 & CPX2 LCD Projector

HITACHI
Inspire the Next

3LCD

The perfect balance of features, performance and design

3LCD

A perfect balance of size, weight, brightness and throw.

The CPX1 and CPX2 is the ultimate portable projector for the mobile business consumer. Combining stunning features with powerful performance in a lightweight and compact design, the CPX1 delivers whichever way you look at it.

## At last, a projector for today's mobile professional

Combining stunning features with powerful performance in a lightweight and compact design, the CPX1 and CPX2 are built for portability. Weighing just 1.7kg (CPX1) and smaller than a sheet of A4 paper, these are the ultimate portable projector for the mobile business consumer.

Picture perfect

Just because it's compact doesn't mean we've compromised. The CPX1 and CPX2 have a 2000 ANSI Lumens brightness. This means they will deliver crisp sharp images, with real punch and can be seen perfectly in all lighting conditions.

Get your audience's full attention
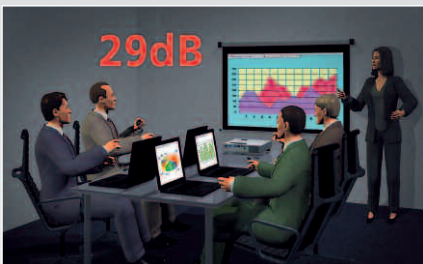
The CPX1 and CPX2 offer the least distraction from your presentations. With a noise level of 29dB its internal fan is one of the quietest in its class, so all your audience will hear is what you have to say, not the operating noise of the projector.

No space? No problem

The CPX1 and CPX2 have one of the shortest throws on the market, projecting a 60" screen at 1.5m, providing the biggest possible picture in the tightest space. And with its powerful optical zoom lens, you can almost project from anywhere.

60"

min 1.5m
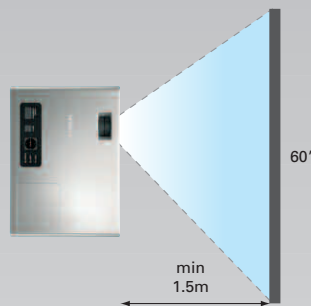
PC-less presentations

Thanks to its built-in USB reader, you can present images and presentations, computer-free, direct from your USB device. Eliminating the need to connect cables you can ensure a smooth start to your presentations. And if you want to bring your laptop, the CPX1 and CPX2 have a wide range of inputs too.

Ready when you are

The CPX1 and CPX2 start up in just 3 seconds. And with its instant off function there's no waiting when you've finished either. Plus, you don't have to wait for it to cool down, as soon as you're ready to leave it is too.

3-Sec Start-up
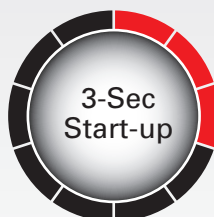
Whiteboard and Blackboard Modes

In rooms with no screen, the CPX1 and CPX2 can project on a whiteboard or blackboard. In whiteboard mode, the white signal is only half as bright, ensuring optimum visibility. The blackboard mode is compatible with both blackboard and green blackboards.

Normal mode

Whiteboard mode
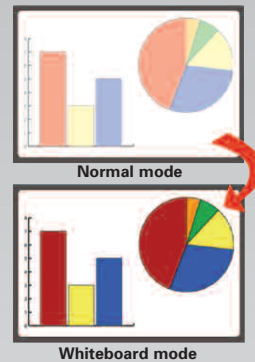
Auto Vertical Keystone Correction

Keystone distortion occurs when the projector is inclined. This is automatically detected by a gravity sensor inside the projector and corrected. It's one more way the CPX1 and CPX2 smooths your preparation for a presentation.
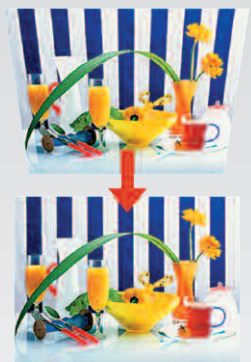
Security Functions

The CPX1 and CPX2 have a wide range of security features including a transition detector which saves the installed settings, if moved the projector will need to be re-adjusted, this can only be completed once the password is entered. The PIN security lock system protects the projector from unauthorised use - if the projector is switched on without the code the projector is unusable. To complete the security functions of these projectors, the MyScreen PIN lock creates a personal start up screen that cannot be changed without the PIN, allowing identification of the rightful owner.
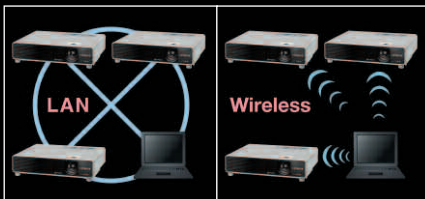
Projector Monitoring & Control

The CPX2 can be integrated through a wired or wireless connection, into a LAN for centralized monitoring of power, input, lamp time and other functions. In fact, more than 500 projectors can be monitored from a single PC. It is also possible to control the power and other functions of a single specified projector or of all projectors linked via the LAN. This makes operating projectors installed in different rooms a simple task. Moreover, Projector Monitoring and Control can be applied to both wired and wireless networks.
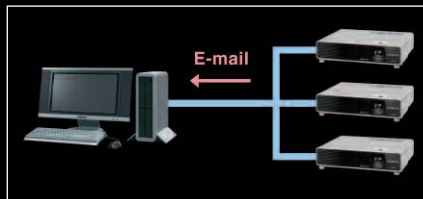
Email Alerts

Using Simple Network Management Protocol (SNMP), the projector is able to remotely monitor and diagnose its status and the status of other network applications with SNMP Management Software. When an error or trouble occurs, the projector uses Simple Mail Transfer Protocol (SMTP) to send a warning message to up to five e-mail addresses.

Control and Monitoring via Web browser

Projectors can be controlled and monitored via a web browser without having to download and install application software.

Features at a glance

- 2000 lm, XGA
- Light weight <1.7kg (CPX1)
- PC-less presentation via USB
- Short throw lens – 60" @ 1.5 m
- Low noise level 29dB
- Auto Vertical Keystone Correction
- Quick-start (3 seconds)
- Instant-OFF
- 802.11g wireless model (CPX2)

Technical Specifications

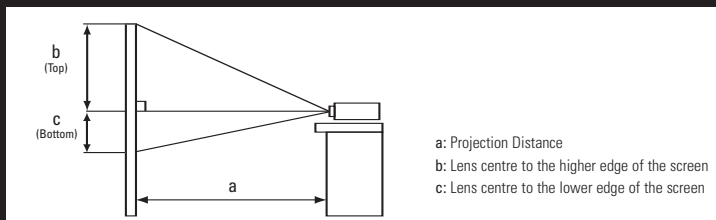| MODEL		CPX1	CPX2
LCD Panel		0.63"P-Si TFT x 3	0.63"P-Si TFT x 3
Resolution		XGA: 1024 dots x 768 lines	XGA: 1024 dots x 768 lines
Number of Colour		8bit/colour, 16.7Mcolours	8bit/colour, 16.7Mcolours
Brightness	Normal Mode	2000 lm	2000 lm
	Whisper Mode	1600 lm	1600 lm
Contrast Ratio		500:1	500:1
Lamp		UHB160W	UHB160W
Lamp Life @ whisper		3000hrs	3000hrs
Lens		F1.8~1.9 x1.2 Optical Zoom (f=16.4~19.7 mm), Manual Focus	F1.8~1.9 x1.2 Optical Zoom (f=16.4~19.7 mm), Manual Focus
Keystone		6:1 upward shift, fixed	6:1 upward shift, fixed
Digital Keystone		Auto V keystone	Auto V keystone
Diagonal Display Size		30 ~ 300 inches	30 ~ 300 inches
		(60" @ 1.5m)	(60" @ 1.5m)
Computer Compatibility		IBM Compatible VGA, SVGA	IBM Compatible VGA, SVGA
		XGA, SXGA/SXGA+,UXGA Compressed, MAC 16"	XGA, SXGA/SXGA+,UXGA Compressed, MAC 16"
Video Compatibility		NTSC/PAL/SECAM/PAL-M,N/NTSC4.43	NTSC/PAL/SECAM/PAL-M,N/NTSC4.43
		SDTV: 525i(480i), 525p(480p), 625i(576i)	SDTV: 525i(480i), 525p(480p), 625i(576i)
		HDTV: 750p (720p@60Hz), 1125i(1080i@50/60Hz)	HDTV: 750p (720p@60Hz), 1125i(1080i@50/60Hz)
Audio Speakers		1.0 W x1	1.0 W x 1
Audio Input		Stereo Mini Jack x 1	Stereo Mini Jack x 1
Video Input		Composite x 1, S-Video Jack x 1	Composite x 1, S-Video Jack x 1
		Component x 1 (shared with D-sub1)	Component x 1 (shared with D-sub1)
Data Input		15-pin Mini D-sub x 2	15-pin Mini-D-sub x1
Control and Mouse		USB type B x 1 for mouse control	USB type B x 1 for mouse control
		No RS-232C	No RS-232C
USB type A x1 for PC-less presentation		Yes	Yes (via MIU)
Wireless Network		No	SD slot x1
Wired Network		No	RJ-45 x1
Audio Output		Stereo Mini Jack x 1	Stereo Mini Jack x 1
Weight		1.7kg (3.8lbs)	1.8kg
Size (W x H x D) (excluding feet and extrusions)		274 x 59 x 205 mm	274 x 65 x 205 mm
Miscellaneous		Lamp Indicator Light, Power Indicator Light, Temp Indicator Light Ceiling Mount Image, Rear Projection Image	Lamp Indicator Light, Power Light, Ceiling Mount Image, Rear Projection Image
Accessories		Power Cord, RGB Cable (2m), Wireless Remote Control Unit, "AA" Batteries (x 2), Soft Case, Rivet, Strap, Lens Cap, Filter Cover (for bottom-up use), Operating Guide (14 Languages), Safety Instructions (15 Languages on CD-ROM), Users Manual (14 Languages: English, French, Spanish, German, Italian, Norwegian, Dutch, Portuguese, Simplified Chinese, Korean, Swedish, Russian, Finnish, Polish)	Power Cord, RGB Cable (2m), Wireless Remote Control Unit, "AA" Batteries (x 2), Soft Case, Rivet, Strap, Lens Cap, Filter Cover (for bottom-up use), Operating Guide (14 Languages), Safety Instructions (15 Languages on CD-ROM), Users Manual (14 Languages: English, French, Spanish, German, Italian, Norwegian, Dutch, Portuguese, Simplified Chinese, Korean, Swedish, Russian, Finnish, Polish)
Wireless Card, application software		No	Yes
Voltage		100-120V/220-240V	100-120V/220-240V
		auto switching	auto switching
Noise	Normal Mode	35dB	35dB
	Whisper Mode	29dB	29dB
Agency Certifications		CE approval, EN61000-3-2, EN61000-3-3, EN55022, EN55024, EN60950, Low voltage directive, WEEE	CE approval, EN61000-3-2, EN61000-3-3, EN55022, EN55024, EN60950, Low voltage directive, WEEE
Features	ASPECT selection	For Video: 4:3/16:9/14:9/Small For Data: Normal/4:3/16:9/Small	For Video: 4:3/16:9/14:9/Small For Data: Normal/4:3/16:9/Small
		Vertical Digital Keystone Correction: ±30degrees (Note: Input signal is XGA @ 60Hz, Zoom position is Wide max.), Auto Vertical Digital Keystone Correction: ±30degrees, Mirror Reverse Image, Up-side Down Image, Freeze, Magnify, Blank, Digital Gamma Correction, Colour temperature Adjustment, Picture mode (Normal, Cinema, Dynamic, Board (Black), Board (Green), Whiteboard), Progressive (Video/S-Video signal, Component video of 525i(480i), 625i(576i)), 2-3 Pull Down for NTSC, Video noise reduction, Overscan (Video, S-Video, Component signal), Resolution setting, Frame Lock, Audio ports assign, Source naming, Quick start (3 Seconds), Instant off, Auto signal search, MyScreen PIN Lock, Transition detector, PIN Security Lock, 17 Languages OSD (English, French, German, Spanish, Italian, Norwegian, Dutch, Japanese, Portuguese, Simplified Chinese, Traditional Chinese, Korean, Swedish, Russian, Finnish, Polish, Turkey), PC Less Presentation	Vertical Digital Keystone Correction: ±30degrees (Note: Input signal is XGA @ 60Hz, Zoom position is Wide max.), Auto Vertical Digital Keystone Correction: ±30degrees, Mirror Reverse Image, Up-side Down Image, Freeze, Magnify, Blank, Digital Gamma Correction, Colour temperature Adjustment, Picture mode (Normal, Cinema, Dynamic, Board (Black), Board (Green), Whiteboard), Progressive (Video/S-Video signal, Component video of 525i(480i), 625i(576i)), 2-3 Pull Down for NTSC, Video noise reduction, Overscan (Video, S-Video, Component signal), Resolution setting, Frame Lock, Audio ports assign, Source naming, Quick start (3 Seconds), Instant off, Auto signal search, MyScreen PIN Lock, Transition detector, PIN Security Lock, 17 Languages OSD (English, French, German, Spanish, Italian, Norwegian, Dutch, Japanese, Portuguese, Simplified Chinese, Traditional Chinese, Korean, Swedish, Russian, Finnish, Polish, Turkey), PC Less Presentation
	Customisation	MyScreen, My Memory, My Button	MyScreen, My Memory, My Button
Multi processing information unit		No	Wireless
		No	PC less
		No	Wired LAN

a: Projection Distance
b: Lens centre to the higher edge of the screen
c: Lens centre to the lower edge of the screen

Image Size 4:3				
Screen Size (Diagonal)	Projection Distance (a)		Screen Height (cm)	
	min. (m)	max. (m)	b (top)	c (bottom)
30" (0.8)	0.8	0.9	39.0	7.0
60" (1.5)	1.5	1.9	78.0	13.0
100" (2.5)	2.6	3.1	131.0	22.0
150" (3.8)	3.9	4.7	196.0	33.0
200" (5.1)	5.2	6.2	261.0	44.0
300" (7.6)	7.8	9.3	392.0	65.0

Image Size 16:9				
Screen Size (Diagonal)	Projection Distance (a)		Screen Height (cm)	
	min. (m)	max. (m)	b (top)	c (bottom)
30" (0.8)	0.8	1.0	37.0	1.0
60" (1.5)	1.7	2.0	73.0	2.0
100" (2.5)	2.8	3.4	122.0	3.0
150" (3.8)	4.2	5.1	183.0	4.0
200" (5.1)	5.6	6.8	243.0	5.0
300" (7.6)	8.5	10.2	365.0	8.0