

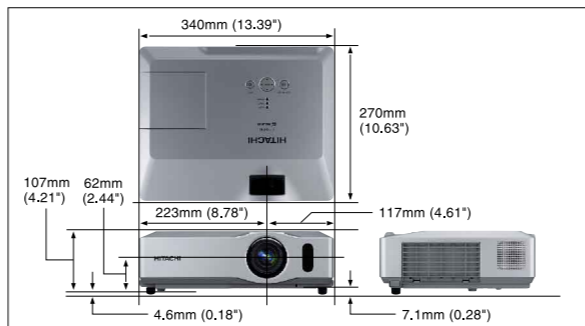
Hitachi projectors: anywhere, any time, any audience

HITACHI LCD Projectors CP-X200/CP-X300/CP-X400

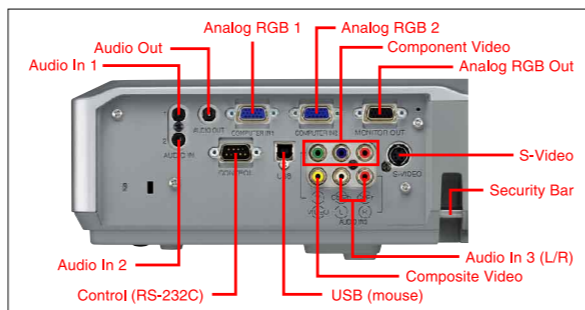
SPECIFICATIONS

Model name	CP-X200	CP-X300	CP-X400	
Liquid crystal panel	0.63" polysilicon active-matrix TFT x 3	0.63" polysilicon active-matrix TFT x 3	0.63" polysilicon active-matrix TFT x 3	
Number of pixels	786,432 pixels (V768 x H1,024)	786,432 pixels (V768 x H1,024)	786,432 pixels (V768 x H1,024)	
Resolution	1,024 x 768 color pixels	1,024 x 768 color pixels	1,024 x 768 color pixels	
Lens	Manual zoom (F=1.7-1.9) 1:1.2	Manual zoom (F=1.7-1.9) 1:1.2	Manual zoom (F=1.6-1.8) 1:1.2	
Lamp	220W UHB	220W UHB	220W UHB	
Brightness	2,200 ANSI Lumens	2,600 ANSI Lumens	3,000 ANSI Lumens	
Contrast ratio	500:1	500:1	400:1	
Audio	7W mono	7W mono	7W mono	
Keystone correction	Auto Vertical Keystone	Auto Vertical Keystone	Auto Vertical Keystone	
Power supply	AC100-120V/AC220-240V	AC100-120V/AC220-240V	AC100-120V/AC220-240V	
Operating temperature	5-35°C (41-95°F)	5-35°C (41-95°F)	5-35°C (41-95°F)	
Input signals	Computer input	VGA, SVGA, XGA, SXGA, SXGA+, UXGA, MAC16"	VGA, SVGA, XGA, SXGA, SXGA+, UXGA, MAC16"	
	Video input	NTSC, NTSC4.43, PAL, SECAM, M-PAL, N-PAL HDTV: 750p (720p), 1125i (1080i) SDTV: 525i (480i), 525p (480p), 625i (576i)	NTSC, NTSC4.43, PAL, SECAM, M-PAL, N-PAL HDTV: 750p (720p), 1125i (1080i) SDTV: 525i (480i), 525p (480p), 625i (576i)	NTSC, NTSC4.43, PAL, SECAM, M-PAL, N-PAL HDTV: 750p (720p), 1125i (1080i) SDTV: 525i (480i), 525p (480p), 625i (576i)
Input/output terminals	Video input	S-Video: Jack x 1, Composite video: RCA jack x 1 Component video: RCA jack x 3	S-Video: Jack x 1, Composite video: RCA jack x 1 Component video: RCA jack x 3	S-Video: Jack x 1, Composite video: RCA jack x 1 Component video: RCA jack x 3
	Audio input	Stereo Mini jack x 2, RCA jack x 1 (L/R)	Stereo Mini jack x 2, RCA jack x 1 (L/R)	Stereo Mini jack x 2, RCA jack x 1 (L/R)
	Computer input	Analog RGB: 15-pin Mini-Dsub x 2	Analog RGB: 15-pin Mini-Dsub x 2	Analog RGB: 15-pin Mini-Dsub x 2
	Audio output	Stereo Mini jack x 1	Stereo Mini jack x 1	Stereo Mini jack x 1
	Monitor output	Analog RGB: 15-pin Mini-Dsub x 1	Analog RGB: 15-pin Mini-Dsub x 1	Analog RGB: 15-pin Mini-Dsub x 1
Control and mouse	9-pin Dsub x 1 for RS232C, USB type B x 1 for mouse control	9-pin Dsub x 1 for RS232C, USB type B x 1 for mouse control	9-pin Dsub x 1 for RS232C, USB type B x 1 for mouse control	
Agency certifications	UL/cUL, FCC Part15 class B, AS/NZS CISPR22 class B, CE	UL/cUL, FCC Part15 class B, AS/NZS CISPR22 class B, CE	UL/cUL, FCC Part15 class B, AS/NZS CISPR22 class B, CE	
Dimensions (WxHxD)	340 x 100 x 270mm (13.39" x 3.94" x 10.63") [excl. protruding part]	340 x 100 x 270mm (13.39" x 3.94" x 10.63") [excl. protruding part]	340 x 100 x 270mm (13.39" x 3.94" x 10.63") [excl. protruding part]	
Weight	3.5kg (7.7 lbs.)	3.5kg (7.7 lbs.)	3.5kg (7.7 lbs.)	
Standard accessories	Computer cable, Remote Control, Batteries, Lens cap, Strap, Soft case, Power cord, User's manual, Audio/video cable, Security label	Computer cable, Remote Control, Batteries, Lens cap, Strap, Soft case, Power cord, User's manual, Audio/video cable, Security label	Computer cable, Remote Control, Batteries, Lens cap, Strap, Soft case, Power cord, User's manual, Audio/video cable, Security label	

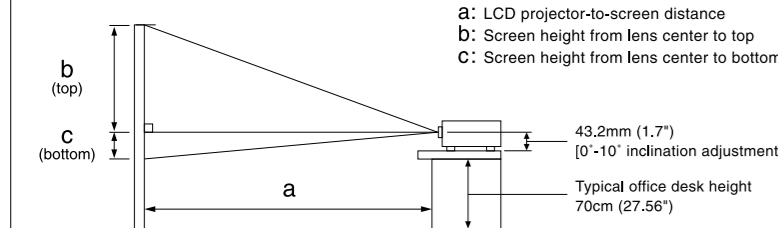
DIMENSIONS



TERMINALS



PROJECTION DISTANCE



CP-X200/CP-X400

Screen Size (inch)	a Min	a Max	b (top)	c (bottom)
30	0.9m (34")	1.1m (41")	41cm (16")	5cm (2")
40	1.2m (46")	1.4m (56")	55cm (22")	6cm (2")
50	1.5m (58")	1.8m (70")	69cm (27")	8cm (3")
60	1.8m (70")	2.1m (84")	82cm (32")	9cm (4")
70	2.1m (81")	2.5m (98")	96cm (38")	11cm (4")
80	2.4m (93")	2.8m (112")	110cm (43")	12cm (5")
90	2.7m (105")	3.2m (126")	123cm (49")	14cm (5")
100	3.0m (117")	3.6m (140")	137cm (54")	15cm (6")
120	3.6m (140")	4.3m (169")	165cm (65")	18cm (7")
150	4.5m (176")	5.4m (211")	206cm (81")	23cm (9")
200	6.0m (235")	7.2m (282")	274cm (108")	30cm (12")
250	7.5m (294")	9.0m (353")	343cm (135")	38cm (15")
300	9.0m (352")	10.8m (423")	411cm (162")	46cm (18")

CP-X300

Screen Size (inch)	a Min	a Max	b (top)	c (bottom)
30	0.9m (35")	1.1m (43")	41cm (16")	5cm (2")
40	1.2m (47")	1.4m (57")	55cm (22")	6cm (2")
50	1.5m (59")	1.8m (71")	69cm (27")	8cm (3")
60	1.8m (71")	2.2m (86")	82cm (32")	9cm (4")
70	2.1m (83")	2.5m (100")	96cm (38")	11cm (4")
80	2.4m (95")	2.9m (115")	110cm (43")	12cm (5")
90	2.7m (107")	3.3m (129")	123cm (49")	14cm (5")
100	3.0m (119")	3.6m (144")	137cm (54")	15cm (6")
120	3.6m (143")	4.4m (172")	165cm (65")	18cm (7")
150	4.6m (179")	5.5m (216")	206cm (81")	23cm (9")
200	6.1m (239")	7.3m (288")	274cm (108")	30cm (12")
250	7.6m (299")	9.1m (360")	343cm (135")	38cm (15")
300	9.1m (359")	11.0m (432")	411cm (162")	46cm (18")

* Final specifications may vary slightly.

• Design and specifications are subject to change without notice.

- The screen and monitor images and comparison photos in this catalog are simulations.
- LCD panels, polarizers and other optical components and cooling fans may need replacement after prolonged usage. For more details, please consult a Hitachi sales representative.
- Do not use in places where there is a lot of water, dampness, steam, dust, soot or tobacco smoke. This may result in fire or malfunction.
- Optical components (lamp, LCD panel, polarizing plate, PBS [polarizer beam splitter], contrast-up film) have limited service lives. They must be repaired or replaced if they are used for a long period of time.
- These projectors use a mercury lamp with high internal pressure. Because of its properties, this lamp may burst with a loud noise or burn out if struck or after it has been used for a period of time. The time until it bursts or burns out varies greatly according to differences between lamps and usage conditions. Turning the lamp's power on and off frequently shortens its service life.
- Optical components other than the lamp: If the projector is used for six hours or more per day, they may need to be replaced in less than a year.
- LCD panel: If the projector is used continuously for six hours or more, its replacement cycle may be shortened.
- Do not turn projector on again for ten minutes after shutdown. Neglect can shorten the lifetime of the lamp. During use and immediately after use, do not touch anywhere near the lamp and the vents as these parts are extremely hot.

HITACHI



Hitachi, Ltd. Digital Media Division (Yokohama Plant) has received ISO 14001 certification.

LCD Projectors

CP-X200
CP-X300
CP-X400



ProSelecta

View :: Compare :: Select - www.ProSelecta.com



Ideal for use anywhere, from wide spaces to small rooms.

Various features facilitate ceiling mounting in classrooms.

Full range of functions for all types of business use.

Versatile Security

Security Bar Prevents Theft

The Security Bar allows you to attach the projector to a convenient place by a cable or chain. There is also a Kensington security slot for using a lock to attach a cable. This prevents theft when it is mounted on a ceiling or used on a cart-top.



Manage users with PIN Lock and My Screen PIN Lock

The projectors provide two PIN systems. PIN Lock ensures that only those who know the PIN can use the projectors. My Screen PIN Lock locks in a certain image as the startup screen. Using a school name or company logo, for example, makes it clear who owns the projector to prevent misuse. In a school where there are many users, this allows you to prevent use by unauthorized users.



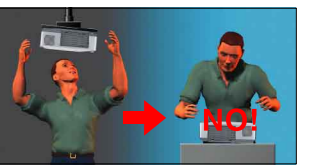
PIN Lock



My Screen PIN Lock

Transition Detector prevents unauthorized use.

This Hitachi security function is engaged when the projector angle or setting are changed from the installed position. Even if someone takes it without authorization, that person cannot use it.



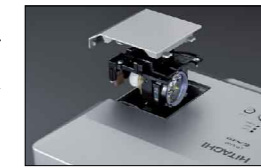
High Reliability

Less maintenance frequency thanks to a large filter.

The projector uses a large-size, highly reliable filter. The filter lasts four times as long as the type used on previous models, so when the projector is frequently used for long hours, this saves a great deal of maintenance time.

Maintenance Is More Convenient: Easy Replacement of Lamp and Filter

The lamp cover is on the top of the projector and the filter is on the side. Even when mounted on the ceiling, the lamp or filter can be easily replaced without removing any parts from the projector. In fact, the filter can be replaced with one hand. Maintenance is more convenient and faster.



Lamp door on top



Filter on side

7W Audio Output Provides Adequate Volume and High Quality Sound

These projectors provide 7W audio output. Since you can give lessons or presentations with adequate volume using only the projector, it is unnecessary to take the trouble to connect them to separate speakers or amplifiers, even when using them suspended from the ceiling. In addition they have highly reliable high quality sound. You can hear crisp and clear sound even in large rooms.



With outstanding security, reliability and usability, these projectors are highly suitable for every type of use.

LCD Projectors
CP-X200
CP-X300
CP-X400



Versatile Security



Theft prevention: Security Bar for ceiling mounting and cart-top users.

Preventing unauthorized users: PIN Lock and My Screen PIN Lock for an environment in which many people use the projector.

Unauthorized use is impossible: Transition Detector for ceiling mounting and cart-top users.

High Reliability



Longer Operation: Large Filter for long maintenance period.

Easy Replacement: Lamp Door on Top and Filter Cover on Side for ceiling mounting users.

High sound quality: 7W Audio Output that ends the need to separately connect speakers.

Superior Usability



You can choose the brightness: 3 models with different brightness levels for use in diverse environments.

(CP-X400: 3,000 ANSI Lumens, CP-X300: 2,600 ANSI Lumens, CP-X200: 2,200 ANSI Lumens)

Very Quiet: Low Noise Whisper mode so viewers can concentrate on the screen.

Pursuing easy use: User friendly Functions make the projector pleasant to use.

Superior Usability

Three models let you choose the brightness according to each situation*

These three models let you adjust the brightness in order to select that suited to diverse environments, with varying room spaces for example. With three models, each suited to a different space—a large lecture hall, medium size meeting room, or a small room such as a classroom—you can choose the model with the appropriate brightness.

*CP-X400: 3,000 ANSI Lumens, CP-X300: 2,600 ANSI Lumens CP-X200: 2,200 ANSI Lumens

Low Noise of 29dB (Whisper Mode) Does Not Disturb Audience Concentration

Thanks to the development of a new large fan, the projector achieves a low noise of 29dB in Whisper mode. As quiet as a guest room in a hotel, it can be used to give lessons or presentations in small size classrooms or conference rooms without any worry about fan noise, even when it is mounted on the ceiling.



My Button Lets You Set Your Favorite Functions

To make operation even faster and more convenient, the projectors have two My Buttons. You can program these buttons with any command in the Select menu, such as S-Video direct input, Picture Mode or Filter Reset, giving you fast access to two often-used functions.

Daytime Mode Corrects Details in Bright Conditions



Normal mode

Daytime mode

Projected images may sometimes be difficult to see under bright lighting. The Daytime Mode uses image quality correction technology to counter the effects of light, ensuring clear, vivid images.

Change to an Easier Name with Input Source Naming

This feature lets you change the input source name to that of a device you often use (notebook computer, DVD, etc.) or to any name that is easily recognizable.



Auto Vertical Keystone Correction Compensates for Distortion.



When the projector is inclined the image suffers from a type of distortion known as Keystone. A gravity sensor inside the projector detects this distortion and precisely compensates for it.

Resolution Preset and Custom Modes for Compatibility with Widescreen Computers

Certain projectors are not able to properly display the aspect ratio when the input source is a widescreen computer. The Resolution Preset and Custom modes ensure that these projectors display the correct ratio, so you always see images the way they should be viewed.



Project on a Blackboard or Whiteboard



Normal mode

Whiteboard mode

In rooms with no screen, it is possible to project on to a blackboard or whiteboard. Blackboard mode can be used with both black and green blackboards. Whiteboard mode reduces the white signal brightness to half, ensuring optimum visibility.

Other Features

- 4-Second Quick Start
- Direct Power On/Off
- 3:2 Pull Down
- Motion Adaptive Progressive Scan
- Noise Reduction
- Equalizing Gamma Function
- IR Remote Frequency Change
- Serial No. Label on Side
- Security Label Included