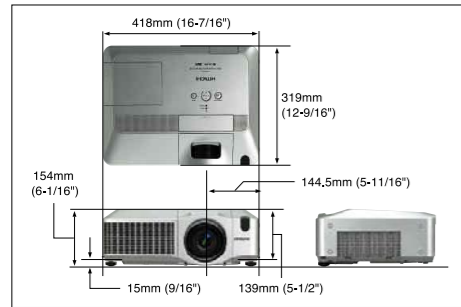
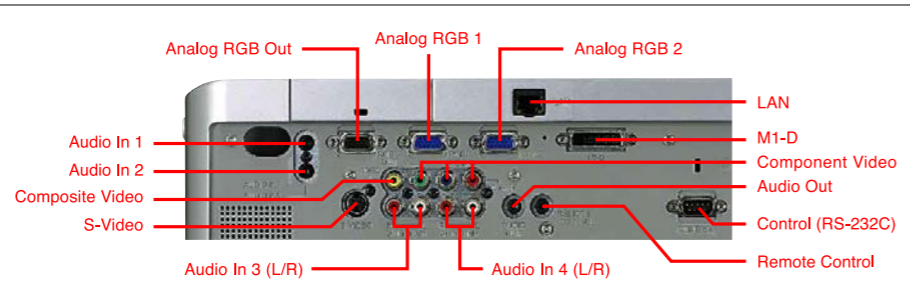


Dimensions

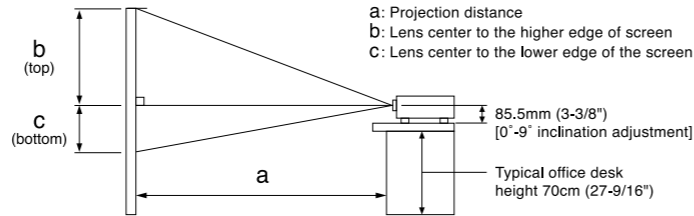


Terminals



Specifications

Model name	CP-X505
Liquid crystal panel structure	0.8" polysilicon active-matrix TFT x 3
Number of pixels	786,432 pixels (V768 x H1,024)
Resolution	1,024 x 768 color pixels
Lens	Manual zoom (F=1.7-2.1) 1:1.2
Lamp	285W UHB
Brightness	3,500 ANSI lumens
Contrast ratio	1000 : 1
Speakers	4W x 4
Keystone correction	VH Keystone
Power supply	AC100-120V/AC220-240V
Operating temperature	5-35 °C (41-95 °F)
Input signals	RGB input: 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)
Input/output terminals	Video input: S-Video: Jack x 1, Composite video: RCA jack x 1, Component video: RCA jack x 3 Audio input: RCA jack x 2 (L/R), Stereo-mini jack x 2 RGB input: Analog RGB: 15-pin Mini-Dsub x 2, M1-D (Digital RGB) x 1 Audio output: Stereo-mini jack x 1 RGB output: Analog RGB: 15-pin Mini-Dsub x 1 Control and mouse: 9-pin Dsub x 1 for RS232C, M1-D (USB mouse function) x 1, RJ-45 (100BASE-TX)
Agency certifications	UL60950-1/UL FCC Part 15, Class B, AS/NZS CISPR22 Class B, CE, EN61000-3-2, EN61000-3-3, EN55022, EN55024, EN60950-1
Dimensions (WxHxD)	418 x 139 x 319mm (16-7/16" x 5-1/2" x 12-9/16") [excl. protruding part]
Weight	7.1kg (15.6 lbs.)
Standard accessories	RGB cable, Batteries, Power cord, Remote control, Security label, Safety instruction, 14-language user's manual, Lens cap, Rivet, Strap



Projection Distance of Standard Lens (LENS TYPE 1)

Screen Size (inch) [4:3 Screen]	a		b		c	
	min.	max.	1:1	9:1	1:1	9:1
30	0.9m (35")	1.1m (42")	23cm (9")	41cm (16")	23cm (9")	5cm (2")
40	1.2m (47")	1.4m (57")	30cm (12")	55cm (22")	30cm (12")	6cm (2")
60	1.8m (71")	2.2m (86")	46cm (18")	82cm (32")	46cm (18")	9cm (4")
70	2.1m (83")	2.6m (100")	53cm (21")	96cm (38")	53cm (21")	11cm (4")
80	2.4m (96")	2.9m (115")	61cm (24")	110cm (43")	61cm (24")	12cm (5")
90	2.7m (108")	3.3m (130")	69cm (27")	123cm (49")	69cm (27")	14cm (5")
100	3.0m (120")	3.7m (144")	76cm (30")	137cm (54")	76cm (30")	15cm (6")
120	3.7m (144")	4.4m (174")	91cm (36")	165cm (65")	91cm (36")	18cm (7")
150	4.6m (181")	5.5m (217")	114cm (45")	206cm (81")	114cm (45")	23cm (9")
200	6.1m (241")	7.4m (291")	152cm (60")	274cm (108")	152cm (60")	30cm (12")
250	7.7m (302")	9.2m (364")	191cm (75")	343cm (135")	191cm (75")	38cm (15")
300	9.2m (363")	11.1m (437")	229cm (90")	411cm (162")	229cm (90")	46cm (18")
350	10.8m (424")	13.0m (510")	267cm (105")	480cm (189")	267cm (105")	53cm (21")

OPTION LENSES

Projection Distance of Optional Lens 1 (Fixed Short Lens) FL-601 (LENS TYPE 2)

Screen Size (inch) [4:3 Screen]	a		b		c	
	min.	1:1	1:1	1:1	1:1	1:1
40	0.6m (24")	30cm (12")	30cm (12")	30cm (12")	30cm (12")	30cm (12")
60	0.9m (37")	46cm (18")	46cm (18")	46cm (18")	46cm (18")	46cm (18")
70	1.1m (43")	53cm (21")	53cm (21")	53cm (21")	53cm (21")	53cm (21")
80	1.3m (50")	61cm (24")	61cm (24")	61cm (24")	61cm (24")	61cm (24")
90	1.4m (56")	69cm (27")	69cm (27")	69cm (27")	69cm (27")	69cm (27")
100	1.6m (63")	76cm (30")	76cm (30")	76cm (30")	76cm (30")	76cm (30")
120	1.9m (76")	91cm (36")	91cm (36")	91cm (36")	91cm (36")	91cm (36")
150	2.4m (95")	114cm (45")	114cm (45")	114cm (45")	114cm (45")	114cm (45")
200	3.3m (128")	152cm (60")	152cm (60")	152cm (60")	152cm (60")	152cm (60")
250	4.1m (161")	191cm (75")	191cm (75")	191cm (75")	191cm (75")	191cm (75")
300	4.9m (193")	229cm (90")	229cm (90")	229cm (90")	229cm (90")	229cm (90")
350	5.7m (226")	267cm (105")	267cm (105")	267cm (105")	267cm (105")	267cm (105")

Projection Distance of Optional Lens 3 (Long Lens) LL-603 (LENS TYPE 4)

Screen Size (inch) [4:3 Screen]	a		b		c	
	min.	max.	1:1	10:0	1:1	10:0
40	1.5m (60")	3.1m (122")	30cm (12")	61cm (24")	30cm (12")	0cm (0")
60	2.4m (93")	4.7m (185")	46cm (18")	91cm (36")	46cm (18")	0cm (0")
70	2.8m (109")	5.5m (216")	53cm (21")	107cm (42")	53cm (21")	0cm (0")
100	4.0m (157")	7.9m (311")	76cm (30")	152cm (60")	76cm (30")	0cm (0")
120	4.8m (190")	9.5m (374")	91cm (36")	183cm (72")	91cm (36")	0cm (0")
150	6.0m (238")	11.9m (468")	114cm (45")	229cm (90")	114cm (45")	0cm (0")
200	8.1m (319")	15.9m (626")	152cm (60")	305cm (120")	152cm (60")	0cm (0")
250	10.2m (400")	19.9m (783")	191cm (75")	381cm (150")	191cm (75")	0cm (0")
300	12.2m (480")	23.9m (941")	229cm (90")	457cm (180")	229cm (90")	0cm (0")
350	14.3m (561")	27.9m (1098")	267cm (105")	533cm (210")	267cm (105")	0cm (0")
400	16.3m (642")	31.9m (1256")	305cm (120")	610cm (240")	305cm (120")	0cm (0")
500	20.4m (803")	39.9m (1571")	381cm (150")	762cm (300")	381cm (150")	0cm (0")

Projection Distance of Optional Lens 2 (Short Lens) SL-602 (LENS TYPE 3)

Screen Size (inch) [4:3 Screen]	a		b		c	
	min.	max.	1:1	10:0	1:1	10:0
40	1.0m (39")	1.6m (62")	30cm (12")	61cm (24")	30cm (12")	0cm (0")
60	1.5m (58")	2.4m (94")	46cm (18")	91cm (36")	46cm (18")	0cm (0")
70	1.7m (66")	2.8m (110")	53cm (21")	107cm (42")	53cm (21")	0cm (0")
80	2.0m (78")	3.2m (126")	61cm (24")	122cm (48")	61cm (24")	0cm (0")
90	2.2m (88")	3.6m (143")	69cm (27")	137cm (54")	69cm (27")	0cm (0")
100	2.5m (98")	4.0m (159")	76cm (30")	152cm (60")	76cm (30")	0cm (0")
120	3.0m (118")	4.8m (191")	91cm (36")	183cm (72")	91cm (36")	0cm (0")
150	3.8m (148")	6.1m (239")	114cm (45")	229cm (90")	114cm (45")	0cm (0")
200	5.0m (199")	8.1m (319")	152cm (60")	305cm (120")	152cm (60")	0cm (0")
250	6.3m (249")	10.2m (400")	191cm (75")	381cm (150")	191cm (75")	0cm (0")
300	7.6m (299")	12.2m (480")	229cm (90")	457cm (180")	229cm (90")	0cm (0")
350	8.9m (349")	14.2m (561")	267cm (105")	533cm (210")	267cm (105")	0cm (0")

Projection Distance of Optional Lens 4 (Ultra Long Lens) UL-604 (LENS TYPE 5)

Screen Size (inch) [4:3 Screen]	a		b		c	
	min.	max.	1:1	10:0	1:1	10:0
40	3.1m (121")	6.0m (235")	30cm (12")	61cm (24")	30cm (12")	0cm (0")
60	4.7m (184")	9.0m (355")	46cm (18")	91cm (36")	46cm (18")	0cm (0")
70	5.5m (215")	10.5m (415")	53cm (21")	107cm (42")	53cm (21")	0cm (0")
100	7.9m (310")	15.1m (595")	76cm (30")	152cm (60")	76cm (30")	0cm (0")
120	9.5m (373")	18.2m (716")	91cm (36")	183cm (72")	91cm (36")	0cm (0")
150	11.9m (467")	22.8m (896")	114cm (45")	229cm (90")	114cm (45")	0cm (0")
200	15.9m (625")	30.4m (1196")	152cm (60")	305cm (120")	152cm (60")	0cm (0")
250	19.9m (782")	38.0m (1497")	191cm (75")	381cm (150")	191cm (75")	0cm (0")
300	23.9m (939")	45.6m (1797")	229cm (90")	457cm (180")	229cm (90")	0cm (0")
350	27.9m (1097")	53.3m (2097")	267cm (105")	533cm (210")	267cm (105")	0cm (0")
400	31.9m (1254")	60.9m (2398")	305cm (120")	610cm (240")	305cm (120")	0cm (0")
500	39.9m (1569")	76.2m (2999")	381cm (150")	762cm (300")	381cm (150")	0cm (0")

- Design and specifications are subject to change without notice.
- The 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 it 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.



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Projector with features that make them ideal for use in medium and large spaces.

LCD PROJECTOR
CP-X505

Superior Maintainability, High Quality Presentation Capabilities, Higher Security and Easier Operation

LCD PROJECTOR CP-X505



Manual Lens Shift

The lens can be moved manually to shift the position of the image. It can be moved 9cm (3-9/16") to the left and right, and 50cm (19-11/16") up and down on a 70" screen. Fine adjustments after ceiling installation can be done using a screwdriver. Adjusting the screen position can also be done easily.



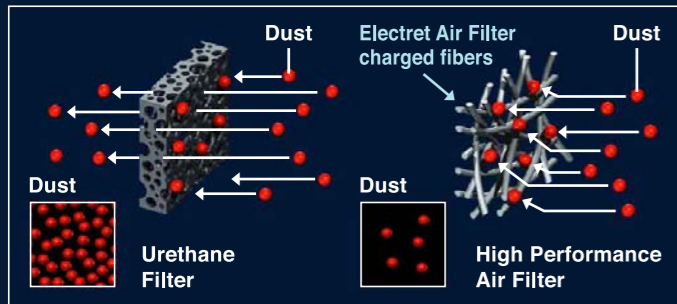
Lamp Door on Top

The door used to replace the lamp is on the top of the projector, making it easy to change the lamp when the projector is installed on the ceiling.



High Performance Air Filter

The air filter uses Electret Air Filter charged fibers to efficiently filter out dust so performance does not suffer even in dusty environments.



Scheduling Functions

The timing of automatically switching each projector's power on and off can be set from a computer. In education and training situations, power on and off can be set to coincide with lesson periods, saving energy and lamp time.

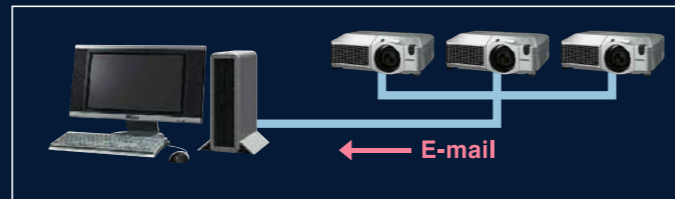
Projector Monitoring and Control

The CP-X505 can be integrated 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 computer. 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.



E-mail 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.



Internal Clock Correction

When the projector is connected to a network it automatically accesses a server, which in turn automatically corrects the projector's internal clock.

Control and Monitoring via Web browser

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

Still Image Transfer (e-SHOT)*

Using this function, VGA-quality still pictures can be transferred from a computer to the projector. And by using the Schedule function, the images can be shown at preset times for using the screen like a message board.

* To use these functions, it is necessary to download the appropriate software. Ask your dealer for details.

High Brightness of 3,500 ANSI Lumens

With outstanding brightness of 3,500 ANSI Lumens, you can use this projector to teach classes and make presentations without having to darken the room.

High Image Quality

The CP-X505 has a variety of functions to improve the images that they project. Thanks to Motion Adaptive Progressive Scan, 3:2 Pull Down, Noise Reduction, Equalizing Gamma and 3D Y/C Separation, you can even project moving pictures with beautiful clarity.

Active Iris

In addition to a high 1000:1 contrast ratio, this projector features an Active Iris that is automatically controlled to ensure best image contrast and depth perspective during both bright and dark scenes.



Quiet 28dB Whisper mode

In order to ensure high quality presentations with the CP-X505, we have designed them to have a 28dB noise level, surprisingly low for this category of projector. Through careful noise suppression, they provide an ideal audiovisual environment.

Built-in 16W Speakers

CP-X505 has four speakers (2-ch.) with a high output of 4W. You get 16W of total output without the need to connect external speakers. And thanks to SRS WOW*, the sound is both dynamic and clear.

SRS WOW is a trademark of SRS Labs, Inc.



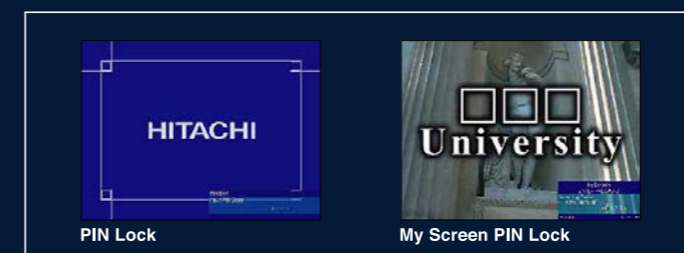
Whiteboard Mode and Blackboard Mode

Images displayed on whiteboards may be too bright, so the Whiteboard mode changes the gamma curve to reduce the white peak. This lets you enjoy the benefits of a bright projector while limiting brightness to protect the eyes of students and others who may be viewing the whiteboard. The Blackboard mode provides better color balance when projecting images onto colored backgrounds. Green and pure black modes are supported.



PIN Lock and My Screen PIN Lock

PIN Lock protection limits the number of people who can use the projector. My Screen PIN Lock allows a certain image to be used as the startup screen. Using a school name or company logo, for example, makes it clear who owns the projector to prevent misuse.

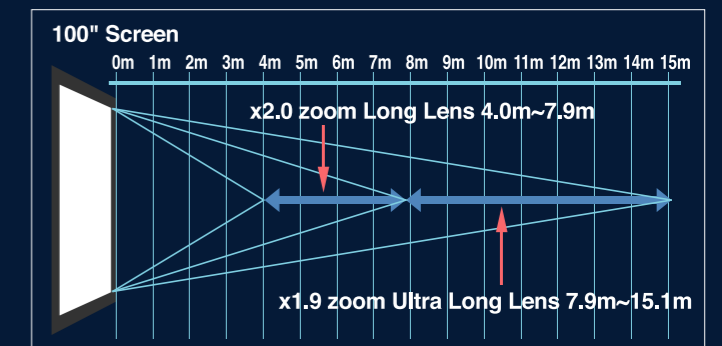
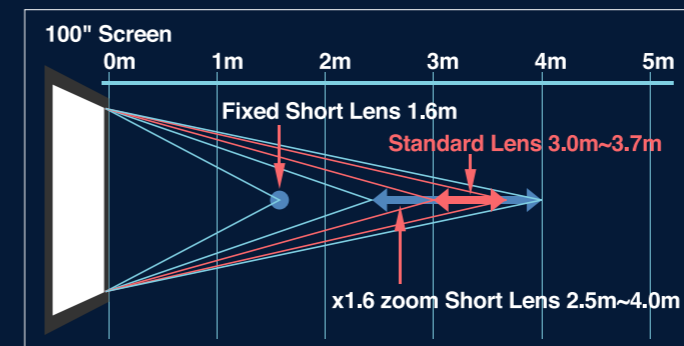


Other Features

- IR Remote Control Frequency Switching
- Serial Number Label on Side (upside down for ceiling mounting)
- Remote Control with Laser Pointer

Optional Lenses (Bayonet type)

Option 1 Fixed Short Lens FL-601 (LENS TYPE 2) Lens shift position 1:1, F = 2.3, f = 13mm, Throw distance ratio = 1:0.8, zoom: 1.0		Option 2 Short Lens SL-602 (LENS TYPE 3) F = 1.9-2.6, f = 20-32mm, Throw distance ratio = 1:1.2-2.0, zoom: 1.6		Option 3 Long Lens LL-603 (LENS TYPE 4) F = 2.1-2.9, f = 32-63mm, Throw distance ratio = 1:2.0-3.9, zoom: 2.0		Option 4 Ultra Long Lens UL-604 (LENS TYPE 5) F = 2.2-3.1, f = 63-117mm, Throw distance ratio = 1:3.9-7.4, zoom: 1.9	
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My Button

There are two user programmable buttons called My Buttons that can be set with any command in the Select menu, such as S-Video direct input, Picture Mode or Filter Reset. This gives you fast access to frequently used functions.



Quick Start and Shut Down

Startup is so fast that the image appears only four seconds after you turn the power on. And this projector is able to shut down the main power during the cooling period.* So you spend less time waiting for startup and until you can put the unit away.

* Do not turn projector on again for one minute 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.

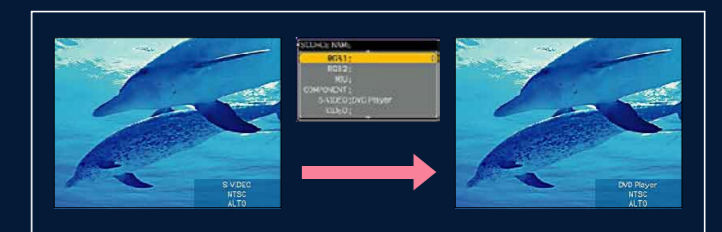
Security Bar

The Security Bar allows the projectors to be attached via a heavy chain to prevent theft. A Kensington slot is also provided.



Input Source Naming

The name of any input source can be changed from the default name to one of your own choosing.



Resolution Preset and Custom Mode

Using the Preset mode, special resolution and wide resolution images such as WXGA will be automatically re-sized and placed in the optimum position. The Custom mode can be used to set any desired resolution to obtain the perfect image.

