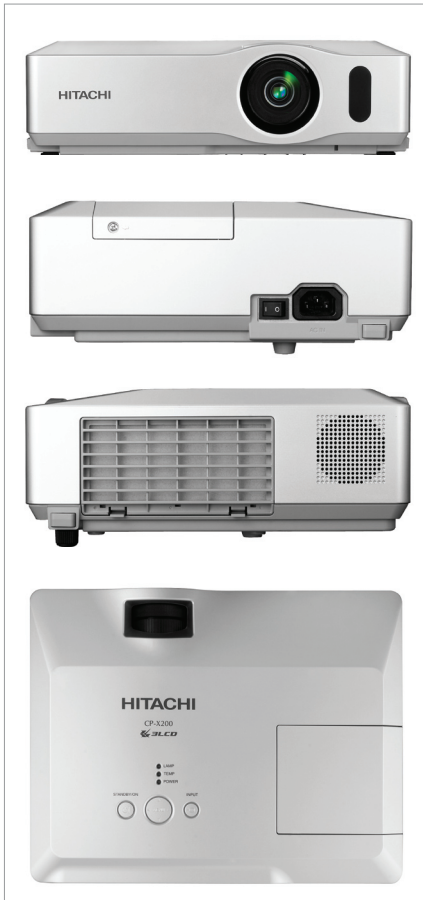


CP-X417 series

HITACHI
Inspire the Next

Key Features

- 3,000 ANSI Lumens
- Native XGA Resolution
- 8.8 lbs.
- 2 RGB Inputs / 1 RGB Output
- 802.11 b/g Connect & Present with 4 PCs wirelessly
- 7 Watt Audio Output
- 29 dB (Whisper Mode)
- Remote Control with My Buttons
- HDMI / Component / Composite / S-Video Inputs
- My Screen / My Memory
- Network Control, Maintenance, & Security
- Approx. 3,000 hrs. (Whisper Mode)
- Kensington Slot and Security Bar
- Side-Mounted High Performance Filter



Specifications [Preliminary]

Model Name	CP-X417 Series	
Liquid Crystal Panel Structure	0.63" Polysilicon Active-matrix TFT x 3	
Number of Pixels	786,432 Pixels	
Resolution	Video	540 TV lines
	RGB	1024 dots x 768 lines
Colors	16.7 million colors	
Aspect Ratio	Native 4:3 / 16:9 compatible	
Lens	F1.6 - 1.8	
Throw Ratio (distance : width)	1.5 - 1.8 : 1	
Lamp	220W UHB	
Brightness	3,000 ANSI lumens	
Expected lamp Life	Approximately 2,000 hours (normal) 3,000 hours (whisper)	
Contrast Ratio	400 : 1	
Speaker Output	7W (1 speaker)	
Power Supply	AC100 - 120V / AC220 - 240V 50/60 Hz Power	
Power Consumption	320W	
Operating Temperature	5°C - 35°C (41°F - 95°F)	
Input Signals	RGB	VGA, SVGA, XGA, SXGA, SXGA+, UXGA, MAC13" MAC16"
	Composite Video	NTSC, NTSC4.43, PAL, SECAM, PAL-M, PAL-N
	Component Video	480i, 576i, 480p, 720p, 1080i
Acoustic Noise Level	35 dB (29 dB in whisper mode)	
H-Sync	15 kHz - 106 kHz	
V-Sync	50 kHz - 120 kHz	
Vertical Keystone Correction	+ / - 40°	
Horizontal Keystone Correction	+ / - 20°	
Approvals	UL60950 / C-UL, FCC Part15, Class B, EN60950	
RGB Input	Analog RGB	15-pin D-sub connector x 2
RGB Output	RGB	15-pin D-sub connector x 1
Digital RGB Input		HDMI x 1
Video Input	S-Video	Mini DIN 4-pin connector x 1
	Composite Video	RCA jack x 1
	Component Video	RCA jack x 3
Audio	Input	Stereo mini jack x 2, RCA (L/R) x 1 pair
	Output	Stereo mini jack x 1
Other		SD Card, USB Memory
Wireless		802.11 b/g
Ethernet		RJ-45 port / 100 base-T
Control Terminals		9-pin D-sub connector x 1 (RS-232 control)
Other		USB connector (USB mouse) x 1
Dimensions (W x H x D)		13.4" x 10.6" x 4.6"
Weight		8.8 lbs.
Additional Features		Digital Gamma Correction, Whiteboard/Blackboard Mode, Input Source Naming
Supplied Accessories		Remote Control, Batteries (AA), RGB cable, US power cord, Multiple language operator / Safety Manual, Soft case
Lamp		CPX400/300/200LAMP (DT00841)
Remote Control		HL02227
Filter		MU04951

Screen Size 4:3		Throw Distance	
Diagonal*	Width*	Min*	Max*
30	24	34	41
60	48	70	84
80	64	93	112
100	80	117	140
120	96	140	169
150	120	176	211
200	160	234	282
300	240	352	423

Throw Ratio: 1.5 - 1.8:1 (distance : width)
*Measured in inches



LCD Projector
CP-RX79

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High Resolution, High Brightness and Light Weight.
The ideal projector for education or business.

■ High XGA Resolution

With its XGA native resolution (1024 x 768), the CP-RX79 is able to accurately display high-detail computer images. It will realistically display XGA, SVGA and VGA images.

■ High Brightness of 2,200 Lumens

The CP-RX79 features high brightness of 2,200 Lumens. In classrooms or meeting rooms, it allows the projection of clear, detailed images.

■ 2.1kg (4.6 lbs.) Light Weight

Even with all its functions, this projector weighs only 2.1kg (4.6 lbs.).



XGA 2,200 Lumens
2.1 kg (4.6 lbs.)



LCD Projector
CP-RX79



Built-in Front Air Exhaust

The CP-RX79 is designed to exhaust warm air from the front.



BLANK Button

Pressing the BLANK button on the projector lets you switch quickly to a blank screen for a moment.

This button is also customizable, allowing you to assign a designated function from the MYBUTTON menu.



Template Function*

When projecting onto a whiteboard, blackboard, etc., this function projects a variety of images that overlay on a blank screen or any projected image. You can choose four types of lines, circles, and a world map with a center city that can be moved in 24-hour steps.

* Patent pending

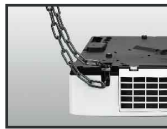
Easy Maintenance

The lamp door is on the top and the filter cover on the side, so maintenance and replacement can be done easily.



Various Security Functions

This projector is equipped with a security bar that allows the attachment of a security chain. By using the PIN Lock, you can limit the number of users. The MyScreen function can be used to identify the owner, and is also protected by a PIN Lock.



More Convenient Features

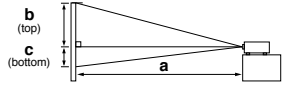
• Input Source Naming • Power Saving Mode • Low Noise of 28dB* (ECO Mode) • Blackboard or Whiteboard Modes at Picture Setting • Daytime Mode • My Button • 4-Second Quick Start • Direct Power On/Off • My Text • Resolution Preset and Custom Modes • Manual Vertical Keystone Correction • Serial No. Label on Side • Closed Caption • My Source/Document Camera Button on Remote Controller

* Typical. Tested in 23°C environmental conditions.

SPECIFICATIONS

Model name	CP-RX79	
Liquid crystal panel	0.42 type (inch), 1.1cm polysilicon active-matrix TFT x 3	
Number of pixels	786,432 pixels (H1024 x V768)	
Resolution	1024 x 768 color pixels (XGA)	
Manual zoom	x1.2	
Lamp	200W UHB	
Light output (brightness)	2,200 Lumens	
Contrast ratio	500:1	
Keystone correction	Manual vertical keystone	
Power supply	AC100-120V/AC220-240V	
Operating temperature	5-35°C (41-95°F)	
Input signals	Computer input	VGA, SVGA, XGA, WXGA, WXGA+, SXGA, SXGA+, UXGA, MAC16"
	Video input	NTSC, NTSC4.43, PAL, SECAM, M-PAL, N-PAL HDTV: 720p@50/60, 1080i@50/60, 1080p@50/60 SDTV: 480i, 480p, 576i, 576p
Input/output terminals	Video input	Composite video: RCA jack x 1, Component video: via D-sub
	Computer input	Analog RGB: 15-pin Mini-Dsub x 1
Agency certifications	UL/cUL, FCC Part15 class B, AS/NZS CISPR22 class B, CE, GOST-R	
Dimensions (WxHxD)	306 x 77 x 221mm (12.05" x 3.03" x 8.7") [excluding protruding part]	
Weight	2.1kg (4.6 lbs.)	
Standard accessories	Computer cable, Remote Control, Batteries, Power cord, User's manual	
Optional accessories	Lamp: DT01151, Air filter: NUJ27422, Laser remote control: RC-R008	

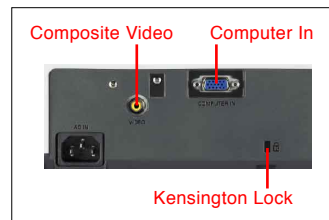
PROJECTION DISTANCE



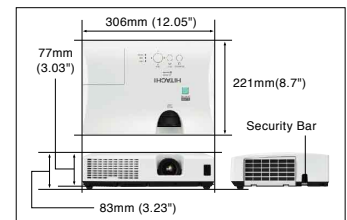
Screen Size (4:3 Screen)	a Min	a Max	b (top)	c (bottom)
30 type (inch), 0.8m	0.9m (35")	1.1m (43")	39cm (15")	7cm (3")
40 type (inch), 1.0m	1.2m (47")	1.5m (58")	52cm (21")	9cm (3")
50 type (inch), 1.3m	1.5m (60")	1.8m (72")	65cm (26")	11cm (4")
60 type (inch), 1.5m	1.8m (72")	2.2m (87")	78cm (31")	13cm (5")
70 type (inch), 1.8m	2.1m (84")	2.6m (102")	91cm (36")	15cm (6")
80 type (inch), 2.0m	2.4m (96")	3.0m (116")	105cm (41")	17cm (7")
90 type (inch), 2.3m	2.8m (108")	3.3m (131")	118cm (46")	20cm (8")
100 type (inch), 2.5m	3.1m (120")	3.7m (146")	131cm (51")	22cm (9")
120 type (inch), 3.0m	3.7m (145")	4.4m (175")	157cm (62")	26cm (10")
150 type (inch), 3.8m	4.6m (181")	5.6m (219")	193cm (77")	33cm (13")
200 type (inch), 5.1m	6.1m (242")	7.4m (292")	261cm (103")	44cm (17")
250 type (inch), 6.4m	7.7m (303")	9.3m (366")	327cm (129")	54cm (21")
300 type (inch), 7.6m	9.2m (364")	11.2m (439")	392cm (154")	65cm (26")

• Tolerance ±8% (for projection distance) • Final specifications may vary slightly.

TERMINALS



DIMENSIONS



Consideration for the Environment

Compliance with EU Directive RoHS*1

*1 RoHS is the acronym of "DIRECTIVE 2002/95/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 27 January 2003 on the restriction of the use of certain hazardous substances in electrical and electronic equipment".

Reduction of resin usage in production

Use of hot runners in molds for making upper housing in order to reduce mill ends.

Reduction of CO2 emissions

Carton volume has been cut down to 71%*2, reducing CO2 emissions during transport.

*2 Compared to Hitachi CP-X2511 network capable projector on the basis of one carton box.

Power saving mode engaged during standby

ECO mode

ECO mode provides power saving.

- Design and specifications are subject to change without notice.
- The projected 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]) 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.



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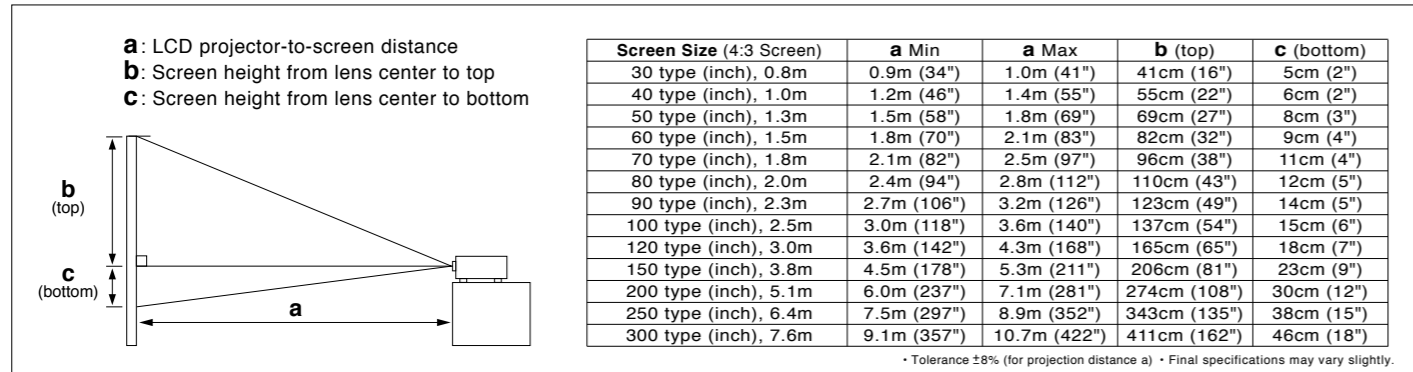
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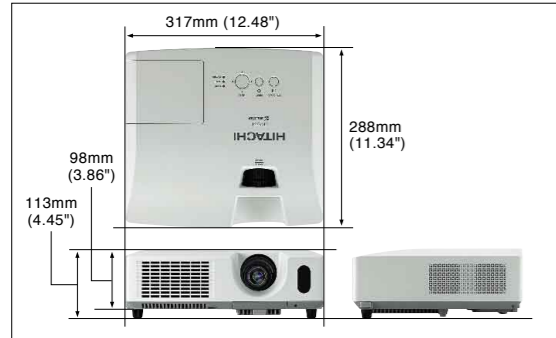
SPECIFICATIONS

Model name	CP-X3511	CP-X3011	CP-X2511	CP-X2011
Liquid crystal panel	0.63 type (inch), 1.6cm polysilicon active-matrix TFT x 3			
Number of pixels	786,432 pixels (H1,024 x V768)			
Resolution	1,024 x 768 color pixels (XGA)			
Manual zoom	x1.2			
Lamp	210W UHP		190W UHP	
Light output (brightness)	3,500 Lumens	3,200 Lumens	2,700 Lumens	2,200 Lumens
Contrast ratio	2,000:1 (iris on)		500:1	
Audio	16W mono (8W x 2) Auto Vertical Keystone AC100-120V/AC220-240V			
Keystone correction	5-35°C (41-95°F)			
Power supply	VGA, SVGA, XGA, WXGA, SXGA, SXGA+, UXGA, MAC16"			
Operating temperature	NTSC, NTSC4.43, PAL, SECAM, M-PAL, N-PAL, PAL (60Hz) HDTV: 720p@50/60, 1080i@50/60, 1080p@50/60 SDTV: 480i, 480p, 576i, 576p			
Input signals	Video input: NTSC, NTSC4.43, PAL, SECAM, M-PAL, N-PAL, PAL (60Hz) HDTV: 720p@50/60, 1080i@50/60, 1080p@50/60 SDTV: 480i, 480p, 576i, 576p			
Video input	S-Video: Mini Din 4-pin x 1, Composite video: RCA jack x 1, Component video: RCA jack x 3			
Input/output terminals	Audio input: Stereo Mini jack x 2, RCA jack x 2 (L/R)			
Video output	Analog RGB: 15-pin Mini-Dsub x 2			
Audio output	RCA jack x 2 (L/R)			
Monitor output	Analog RGB: 15-pin Mini-Dsub x 1			
USB	USB type B x 1 for mouse control			
Control	9-pin Dsub x 1 for RS232C			
Agency certifications	UL/cUL, FCC Part15 class B, AS/NZS CISPR22 class B, CE, GÖST-R			
Dimensions (WxHxD)	317 x 98 x 288mm (12.48" x 3.86" x 11.34") [excluding protruding part]			
Weight	3.6kg (7.9 lbs.)			3.5kg (7.7 lbs.)
Standard accessories	Computer cable, Remote Control, Batteries, Lens cap, Power cord, User's manual, Security label			
Optional accessories	Lamp: DT01021, Filter set: MU06481, RC-008, Soft case: CA3010			

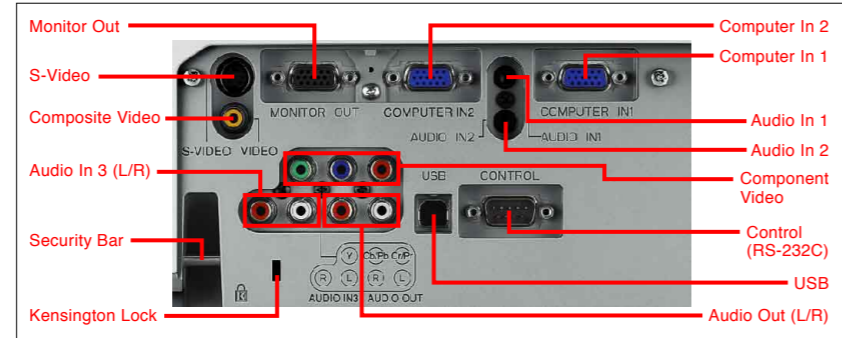
PROJECTION DISTANCE



DIMENSIONS



TERMINALS



Consideration for the Environment

- Compliance with EU Directive RoHS^{*1}**
*1 RoHS is the acronym of "DIRECTIVE 2002/95/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 27 January 2003 on the restriction of the use of certain hazardous substances in electrical and electronic equipment".
- Reduction of resin usage in production**
 Use of hot runners in molds for making upper housing in order to reduce mill ends.
- Reduction of CO₂ emissions**
 Carton volume has been cut down to 75%^{*2}, reducing CO₂ emissions during transport.
*2 Compared to Hitachi CP-X201 projector on the basis of one carton box.
- Power saving mode engaged during standby**
- ECO mode**
 ECO mode provides power saving.

• Design and specifications are subject to change without notice.
 • The projected 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)) 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.



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LCD Projectors

CP-X3511/CP-X3011/CP-X2511/CP-X2011

HITACHI

Inspire the Next



Outstanding projectors for all types of classrooms.



- CP-X3511** 3,500 Lumens
- CP-X3011** 3,200 Lumens
- CP-X2511** 2,700 Lumens
- CP-X2011** 2,200 Lumens



These do-it-all projectors are packed with practical and convenient functions.



LCD Projector
CP-X3511
3,500 Lumens



LCD Projector
CP-X3011
3,200 Lumens



LCD Projector
CP-X2511
2,700 Lumens



LCD Projector
CP-X2011
2,200 Lumens

High Picture Quality

2,000:1 High Contrast Ratio

CP-X3511/CP-X3011/CP-X2511

In addition to a high 2,000:1 contrast ratio, the CP-X3511, CP-X3011 and CP-X2511 feature an Active Iris that is automatically controlled to ensure best image contrast and depth perspective during both bright and dark scenes.



Bright scene



Dark scene

Versatile Security

Various Security Functions

These projectors are equipped with a security bar that allows the attachment of a security chain. By using the PIN Lock, you can limit the number of users. The MyScreen function can be used to identify the owner, and is also protected by a PIN Lock. A Transition Detector can prevent unauthorized use of the projector.



Security bar

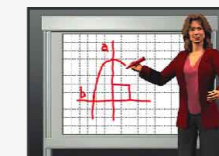
Outstanding Usability

Power Saving Mode

The Power Saving mode at standby setting reduces standby power consumption to less than 1W. The following features are disabled: RS-232C control except power-on command, and audio capability including audio pass through.

Template Function*

When projecting onto a whiteboard, blackboard, etc., this function projects lines, making writing on the board easier. You can choose four types of lines: black lines on a white background, black lines on a white grid, white lines on a black background or white lines on a black grid. * Patent pending



16W Internal Speaker

The projectors have two built-in 8W high power speakers. They provide you with a convenient audio solution for larger rooms.

Audio Pass Through*

Audio can be output via external speakers in standby condition. This saves lamp life when only sound is required.

* When in Normal mode at standby setting. It does not function in Saving mode.

Blackboard or Whiteboard Modes at Picture Setting

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



Normal mode



Whiteboard 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.



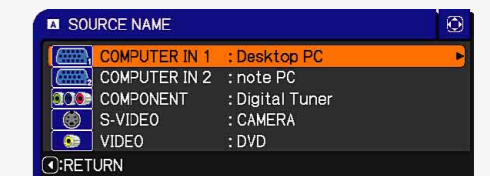
Normal mode



Daytime mode

Input Source Naming

The input source name can be changed to the name of a device you often use (desktop PC, DVD, etc.) instead of default names like computer in 1, S-Video, etc. Icons are displayed for easy visibility.



Other Features

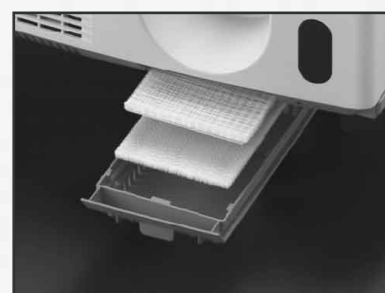
- Low Noise of 29dB* (ECO Mode)
- 4-Second Quick Start • Direct Power On/Off
- My Button • My Text • Resolution Preset and Custom Modes • Auto Vertical Keystone Correction • Motion Adaptive Progressive Scan • 3:2 Pull Down • Noise Reduction
- Equalizing Gamma Function • IR Remote Frequency Change • Serial No. Label on Side • Security Label Included
- My Source/Document Camera Button on Remote Controller • Closed Caption
- Compatible with AMX Device Discovery

* Typical. Tested in 23°C environmental conditions.

Superior Maintenance Functions

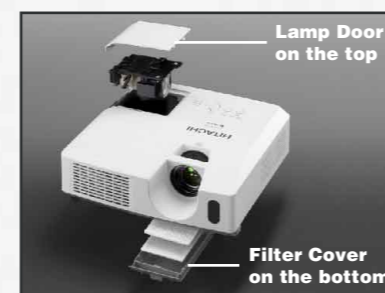
Hybrid Filter

The Hybrid Filter requires less frequent maintenance and cleaning, making longer operation possible.



Easy Maintenance

The lamp door is on the top and the filter cover slides in and out from the front bottom, so maintenance and replacement of these parts can be done easily.



Lamp Door on the top

Filter Cover on the bottom

CP-A100

INNOVATE
The Future of Projection



ULTRA SHORT THROW LCD PROJECTOR

Featuring unique Hitachi optical technology, the CP-A100 has an ultra short throw capability delivering a 60" projection screen at only 42cm*.

This allows the projector to be sited very close to the screen, eliminating shadowing effects and allowing greater flexibility for the user. With advanced picture quality, added usability and security features this product will revolutionise the use of projectors in education and business.

- World's first high performance free shaped lens
- Unique Hitachi technology
- Ultra Short Throw – 42cm* for 60"
- Normal Mode - 2500 Lumens
Eco Mode - 2000 Lumens
- Full Connectivity – RGB 2in/1out, 3 x Audio in, 1 x out
- Network capability – LAN through RJ-45
- Easy Maintenance – Conveniently located lamp door on top of the projector, plus a highly effective filter ensures that servicing and maintenance are kept to a minimum
- Enhanced Security – Security bar, PIN-Lock, MyScreen PIN- Lock, Keypad Lock, E-mail alert when connected to a LAN

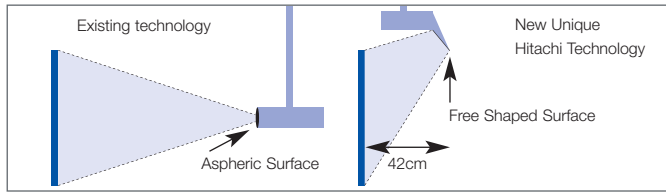


*9.6cm from the front of the projector to the screen

HITACHI
Inspire the Next

CP-A100

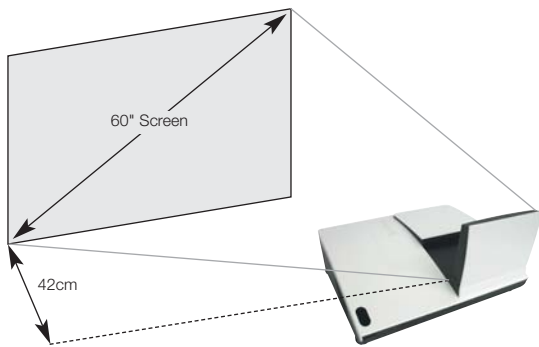
- **Hitachi Ultra Short Throw technology** – The CP-A100 uses the world's first, high performance, free shaped lens, uniquely developed by Hitachi, this allows the projector to produce a 60" image, at only 42cm* from the mirror to the screen.



- **Ultra Short Throw** – Using Hitachi's new unique high performance lens, we are able to dramatically reduce the throw distance, combined with the introduction of a high angle projection capability means that the quiet CP-A100 projector can be sited only 42cm away for a 60" screen.

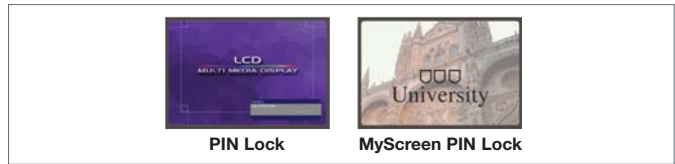
Benefits include:

- Optimises available space
- Flexible for both intimate or large environments
- More room for presenter and audience
- Shadow free presentations
- No direct glare from the projector light



- **Versatile Performance** – With their compact size and ability to project a 60" image from just 42 cm, measured from the mirror to the screen. Hitachi's CP-A100 Ultra Short Throw projectors are perfect in any size of room, be that a boardroom, a classroom or at home and can project either on to a wall or even on a tabletop.

- **Network Capability** – LAN through RJ-45.
- **Security** – Excellent multi-level security protection reduces the risk of theft, including PIN-Locks, security bar, security labels, Kensington Lock, an email alert when removed from the network.



- **Picture quality** – Hitachi's unique high performance lens technology, creates the highest possible picture quality. The vivid 3LCD 8 bit colour offers 16.7m colours with XGA resolution bringing you clear, and sharp images.
- **Connectivity** – Wide-ranging connectivity features include Dual RGB inputs and one RGB output, three audio inputs and one output, plus an RJ-45 socket for wired LAN access.
- **Easy Maintenance** – Easy maintenance is assured with the inclusion of highly effective parts throughout the projector. The lamp door is located on top of the projector so it's really easy to access the lamp, this combined with the sliding filter door, ensures it is quick and easy to clean, maintain and replace these items.
- **Design** – The CP-A100 has been refined to create a complete compact product design. Using stylish contours to create a modern look.



Technical Specifications

OPTICAL	
LCD Panel	0.63" P-Si TFT x 3 with MLA
Resolution	XGA
Number of colours	8 bit/colour, 16.7 M colours
Brightness	Normal Mode - 2500 Lumens, Eco Mode - 2000 Lumens
Contrast Ratio	500:1
Lens	Motorised mirror. Mirror opens when the lamp is turned on, and closed when the lamp is off. Electronic focus. Digital zoom
Lamp	220W
Lamp Life	2000 hours (Normal Mode)/3000 hours (Whisper Mode)
Diagonal Display Size	60"~100"
COMPATIBILITY	
Computer Compatibility	IBM Compatible VGA, SVGA, XGA, SXGA, UXGA, MAC 16"
Video Compatibility	NTSC/PAL/SECAM/PAL-M,N/NTSC4.43 SDTV: 525i(480i), 525p(480p), 625i(576i) HDTV: 750p (720p@60Hz), 1125i(1080i@50/60Hz)
FEATURES	
Plug & Play	(DDC2B)
OSD Languages	MENU: 17 Languages
Basic functions	Freeze, Magnifying, Blank, Auto adjustment, Search, Page UP & DOWN (for USB mouse function)
Picture adjustments	Equalizing Gamma Correction, 2-3 pull down, Progressive Scan, Noise Reduction, Digital Zoom x1.2, Equalising Colour Temperature Adjustment
Digital Keystone	Manual Vertical keystone 5 degrees (@XGA 60HZ)
Advanced Features	MyScreen, My Memory, My Button, Normal/Cinema/Dynamic/Blackboard/Greenboard/Whiteboard modes, Daytime mode, Resolution setting, Input source naming (English)
Outward	Easy Lamp replace from top, Back side filter
Power on & off	Quick on, direct on, direct off
Security Systems	PIN-Lock, MyScreen PIN-Lock, Keypad Lock, Kensington slot, E-mail alert, Transition detector

CONNECTORS	
Computer Input	2 x 15-pin Mini D-sub
Monitor Out Port	1 x 15-pin Mini D-sub
Video Input Port	1 x RCA Jack 1 x S-Video Jack 1 x Component
Audio Input Port	2 x Stereo Mini Jack 1 x RCA (L/R) Pair (Selectable on OSD)
Audio Output Port	1 x Stereo Mini Jack
Control Port	1 x 9-pin D-sub for RS232 control
Wired Network	1 x RJ-45
Mouse Emulation Port	1 x USB Type B for mouse control
POWER	
Power Supply	100-120V/220-240V auto switching
PHYSICAL	
Dimensions (W x H x D)	397 x 131 x 356mms (when mirror is closed)
Weight	5.9Kg
Noise Level	35dB (Normal Mode)/29dB (Whisper Mode)
Air Filter	Polyurethane
CERTIFICATION	
UL 60950/ C-UL, FCC Part 15 Class B, CE, AS/NZS CISPR22 Class B	
MISCELLANEOUS	
Lamp indicator light, Power light, Ceiling Mount image, Rear Projection Image	
ACCESSORIES SUPPLIED	
Remote control with batteries, Power cord, User manual, Computer cable, Security label, Cable cover	
OPTIONAL ACCESSORIES	
Softcase, Stand, Wall mount	

CP-X4020

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AMX Device Discovery



Closed Captioning

- 4,000 ANSI Lumens
- Native XGA Resolution
- 2000:1 Contrast Ratio Using Active IRIS
- 9.2 lbs.
- 2 RGB Inputs / Composite / S-Video
- 16W Speaker Output
- Security Bar and Transition Detector
- 29 dB (Eco Mode)
- Easily Accessible Hybrid Filter (5,000 Hours between Maintenance)
- Instant On/Off
- Audio Pass Through
- Template Function
- Power Saving Mode



Specifications

Model Name	CP-X4020 Series	
Liquid Crystal Panel Structure	0.63" polysilicon active-matrix TFT x 3	
Number of Pixels	786,432 pixels	
Resolution	Video	540 TV lines
	RGB	1024 dots X 768 lines
Colors	16.7 million colors	
Aspect Ratio	Native 4:3/16:9 compatible	
Lens	manual zoom x 1.2	
Throw Ratio (distance : width)	1.5 - 1.8 : 1	
Lamp	260W UHB	
Brightness	4,000 ANSI Lumens	
Expected lamp Life	Approximately 2,000 hours (normal) 4,000 hours (whisper)	
Contrast Ratio	2000 : 1 using active IRIS	
Speaker Output	16W	
Power Supply	AC100 - 120V / AC220 - 240V 50/60 Hz	
Power Consumption	390W	
Operating Temperature	5°C - 35°C (41°F - 95°F)	
Input Signals	RGB	VGA, SVGA, XGA, WXGA, SXGA, SXGA+, UXGA, MAC 16"
	Composite Video	NTSC, NTSC4.43, PAL, SECAM, PAL-M, PAL-N, PAL60
	Component Video	480i, 480p, 576i, 576p, 720p, 1080i, 1080p
Acoustic Noise Level	35 dB (29 dB in Eco Mode)	
H-Sync	15 kHz - 106 kHz	
V-Sync	50 kHz - 120 kHz	
Vertical Keystone	+ / - 40°	
Approvals	UL, C-UL, FCC, CE, RoHS	
RGB Input	Analog RGB	15pin Mini-Dsub x 2
RGB Output	RGB	15pin Mini-Dsub x 1
Video Input	S-Video	Mini DIN 4-pin connector x 1
	Composite Video	RCA jack x 1
	Component Video	RCA jack x 1
Audio	Input	Stereo Mini jack x 2, RCA(L/R) x 1 pair
	Output	RCA(L/R) x 1 pair
Control Terminals	9-pin D-sub connector x 1 (RS-232 control)	
Dimensions (W x D x H)	15.7" x 12.5" x 4.5"	
Weight	9.2 lbs.	
Additional Features	My Screen, My Memory, My Button, Blackboard/Whiteboard mode, Daytime Mode, Input Source Naming(English), Resolution Setting, My Text, My Source & Doc Camera Button on Remote Control, Template, Saving Mode	
Supplied Accessories	Remote Control, Batteries (AA), RGB cable, US Power Cord, Multiple language operator / Safety Manual, Security Label CPX4020LAMP (DT01051)	
Lamp	HL02483	
Remote Control	MU06641	
Filter		

Screen Size 4:3 Throw Distance

Diagonal*	Width*	Min*	Max*
30	24	34	41
60	48	70	83
80	64	94	112
100	80	118	140
120	96	142	168
150	120	177	211
200	160	237	281
300	240	356	422

Throw Ratio: 1.5 - 1.8:1 (distance : width)
*Measured in inches



The new FX-Series Starboard from Hitachi

Top of the class for speed and strength



Available in two
different ratios:
4/3 and 16/9

- Fast and accurate - tracks at twice the speed you can write
- Very durable - withstands the rigours of class and board rooms
 - Can be used as an ordinary whiteboard
- Bluetooth wireless ensures the best and safest choice
- Function buttons for speed and flexibility

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StarBoard Software main features:

Every FX-Series board includes the most advanced presentation software available - the StarBoard suite of software. Easy to learn and install, it is feature-rich, fully customisable and is designed to help the user become confident with the whiteboard within minutes. Anyone familiar with standard computer technology will find the new FX-Series board very easy to learn and run.

- Use a variety of pens, papers, backgrounds and effects.
- Switch effortlessly from pen to mouse.

- Customise your toolbar, from a wide selection of tools to meet your individual classroom needs.
- Add notes, and highlight or add emphasis to the images.
- Move and resize objects.
- Scroll, so you never run out of space.
- Convert hand-drawn shapes into geometrical objects.
- Save time with drag-and-drop applications.
- Converts free form to text using handwriting recognition software.

- Hide-and-reveal questions.
- Save favourites for tried-and-tested lessons.
- Keyboard shortcut for lesson creation away from the board.
- The cursor can be hovered over an icon to reveal the icon's function.
- 'Spotlight' or magnify a specific area.
- Record your live sessions (audio-visual) to replay later.

New FX Series is available in 63", 77" and 82".

Product name	FX-77(Wireless)	FX-63(Wireless)	FX-82W (Wireless)
Ratio	4/3	4/3	16/9
Model No	AH00087	AH00089	AH00091
Input methods	Infrared and Ultrasonic methods		
Interface to computer			
Wired	USB 2.0		
Wireless	Bluetooth 1.1		
Effective screen size (mm)	77 inches 1,573 (W) x 1,180 (H)	63 inches 1,280 (W) x 960 (H)	82 inches Wide 1,831 (W) x 1,030 (H)
StarBoard dimensions (mm)	1,793 (W) x 1,220 (H) x 77.5 (D)	1,500 (W) x 1,000 (H) x 77.5 (D)	2,051 (W) x 1,070 (H) x 77.5 (D)
Overall dimensions (including stand) (mm)	1,794 (W) x 1,700 x 2,050 (H) x 620 (D)	1,500 (W) x 1,700 x 2,050 (H) x 620 (D)	2,050 (W) x 1,700 x 2,050 (H) x 620 (D)
IR wavelength	880 nm		
Ultrasonic frequency	40 KHz		
Sampling rate	Approximately 66 points/s		
Accuracy	±1.5 mm		
Current / input voltage	200mA (5V)		
AC adapter input voltage/ power consumption	100 - 240 V / 0.5A		
AD adaptor output voltage/ power consumption	5.0V/2.0A		
Weight of main unit/ weight including stand	17kg/33kg	12 kg/28kg	18 kg/34kg
Bundled software	StarBoard Software, 1 set		
Environmental conditions			
Ambient temperature	10 - 35+C		
Humidity	10 - 80%		
Battery life	Continuous operating time approximately 90 hours*1		
Compatible operating systems	Windows98SE, Me, 2000, XP		

*1 The battery life varies according to the temperature and the usage environment



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