CP-X4022WN LCD Projector

HITACHI
Inspire the Next

Designed for academic achievement in larger classrooms, corporate boardrooms and campus standard.



Collegiate Series



Key Features

- XGA 1024 x 768 resolution
- 4,000 ANSI lumens white/color output
- 3000:1 contrast ratio
- Horizontal and vertical lens shift
- 5,000 hours hybrid filter*
- 3,000 hours lamp life (Standard mode); 5,000 hours lamp life (Eco mode)**
- ImageCare Technology for energy savings
- Embedded LAN/wireless compatible
- Projector Quick Connection iOS App

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As part of Hitachi's Collegiate Series, the CP-X4022WN combines XGA 1024 x 768 resolution with super-bright 4,000 ANSI lumens white/color light output for a stunning visual achievement. It can transform classrooms, lecture halls, and auditoriums into true learning centers. The CP-X4022WN is easily stackable which enables you to place one projector on top of another to project the same image from both onto a screen for added brightness. Plus, Hitachi's Intelligent Eco and Saver Modes with ImageCare combines optimal picture performance with maximum energy savings for a lower cost of ownership. For added peace of mind, Hitachi's CP-X4022WN is also backed by a generous warranty and our world-class service and support programs.

CP-X4022WN

3LCD

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UNIQUE FEATURES

Cloning Function

Copy configuration settings from one projector to others of the same model via USB memory. Cloning can save almost all PJ settings such as gamma and keystone via USB memory.

ImageCare Technology

ImageCare is a lamp power control function that combines optimal picture performance with maximum energy savings by decreasing energy usage, improving contrast ratio and lengthening lamp life. The result is a lower total cost of ownership and decreased maintenance cost.

DICOM® Simulation Mode



Images in DICOM (Digital Imaging and Communications in Medicine) Mode are reproduced with an advanced grayscale level. This mode is ideal for viewing grayscale medical images such as X-rays, and for training and educational purposes.

These projectors are not approved medical devices. They should not be used for actual medical diagnosis.

Intelligent Eco and Saver Modes

Automatically changes the brightness of the lamp according to the brightness level of the screen. Also, automatically changes the brightness of the lamp if there is no change in the screen image. Using ImageCare technology, these features give optimal picture performance with maximum energy savings.

Perfect Fit 2

Enables the user to adjust individual corners and sides independent of one another. Perfect Fit 2 provides vertical and horizontal digital correction of either barrel or pin cushion distortions. This feature helps correct geometric and complicated distortions. Perfect Fit 2 allows the projected image to fit correctly to the screen quickly and easily.

Projector Quick Connection iPad® App

Our iOS application offers full projector control and also provides the capability to display photos, document files and web site contents. Available for iPad® and iPhone® devices. Works over your LAN via your RJ-45 port or via an optional USBWL11N wireless adapter.

Wired and Wireless Switcher Solutions

Multifunctional switcher operates in conjunction with the receiver to provide expanded source selection and switching options for connected devices. The switcher is sold as an optional accessory that can provide 1080p 30 fps wireless via WHDI for both video and audio.

STANDARD FEATURES

Collegiate Series

Easily Stackable

Using the lens shift and the perfect fit you can easily stack two units for two times the light output.

Microphone Input

A microphone can be used via the jack located on the input panel. Allows for more dynamic presentations even in standby mode.

Network Control, Maintenance and Security

Embedded networking gives you the ability to manage and control multiple projectors over your LAN. Features include scheduling of events, centralized reporting, image transfer and e-mail alerts for reactive and routine maintenance.

PC-Less Presentation

By using a USB memory stick or other storage device, you can use the projector without a computer. Menus are easy to see with a thumbnail display. There is also a slideshow function. This feature also supports the following file types: JPG, PNG, BMP, GIF, AVI, and MOV — frame rate is under 12fps 640 x 480.

PJMessenger

PJMessenger function allows you to send and display text messages and audio alerts on your networked projectors. It is an easy and efficient way to send announcements out to multiple units.

Present Content via LAN

Hitachi's suite of networking software allows you to easily send content directly from your PC to the projector via your LAN connection.

Serial Number and Media Access Control Label

A label is affixed to side of projector to more easily access and read the model name, serial number and MAC address while mounted in ceiling use. This is a convenience for installers, end users and auditors for instant accessibility.

Transition Detector and Security Bar

A security sensor located inside the projector recognizes when the projector has been moved. Moving the projector without using the correct PIN code will disable the projector.

Wireless Presentation Compatible

Connect the projector to a a computer or your network using the optional USB wireless adapter (part number USBWL11N). The adapter supports IEEE802.11b/g and the latest 11n.

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* Actual filter life will vary by individual filter and based on environmental conditions, selected operating mode, user settings and usage. Hours of average filter life specified are not guaranteed and do not constitute part of the product warranty.

** Actual lamp life will vary by individual lamp and based on environmental conditions, selected operating mode, user settings and usage. Hours of average lamp life specified are not guaranteed and do not constitute part of the product or lamp warranty. Lamp brightness decreases over time.

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Installing innovation on campus standards nationwide.

The CP-X4022WN is part of Hitachi's Collegiate Series projector line and combines 4,000 ANSI lumens brightness and XGA 1024 x 768 resolution achieving academic excellence in any higher education application. The CP-X4022WN combines powerful capabilities with installer-friendly features, inorganic optics, a dust resistant design, and a generous warranty making it ready for the long run.



Incorporating Hitachi's leading-edge technology, the CP-X4022WN also features high contrast ratio, long lamp life, easy maintenance and is wireless compatible. Vivid colors. Bold graphics. Crisp text. It's easy to see how Hitachi's CP-X4022WN will enhance the learning experience on college and university campuses nationwide.

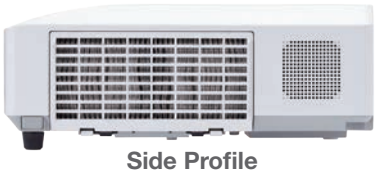


Front View

Collegiate Series



Top View

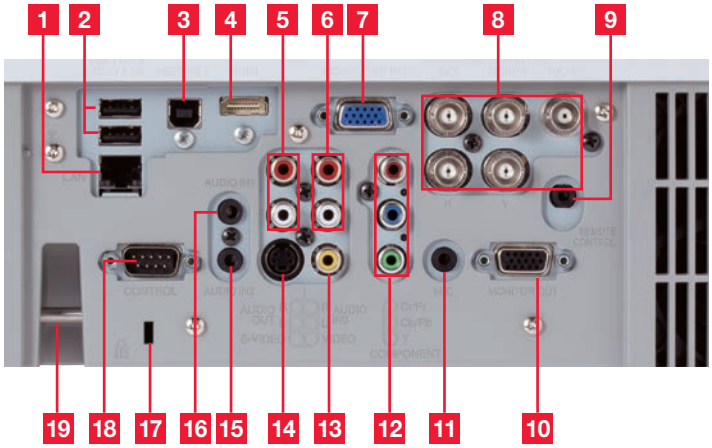


Side Profile



Rear View

Input/Outputs



1. LAN
2. USB Type A x 2
3. USB Type B
4. HDMI
5. Audio Out
6. Audio in 3
7. Computer in 1
8. Computer in 2
9. Remote Control
10. Monitor Out
11. Microphone
12. Component Video
13. Video
14. S-Video
15. Audio in 2
16. Audio in 1
17. Kensington Lock
18. Control (RS-232C)
19. Security Bar

3LCD Technology

Closed Captioning

Crestron Integrated Partner

AMX Device Discovery

Hitachi Trade-Up Program

4 Year Warranty

HDMI

CP-X4022WN

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Accessories and Lenses	
Supplied Accessories	Remote control, power cord, computer cable, user's manuals, safety manual, lens cap, security label
Optional Accessories	USBWL11N USB wireless adapter, MS-1 wired multifunction switcher, MS-1WL wireless multifunction switcher, LCDS2000 soft sided case, HL02651 laser/wired remote control
Replacement Parts	
Lamp	CPX5021NLAMP (DT01171) with filter
Remote Control	HL02881
Filter	MU07791

Projection Throw Chart (In inches)

Screen Size 4:3		Throw Distance	
Diagonal	**Width**	**Min**	**Max**
30	24	34	57
60	48	70	117
80	64	94	157
100	80	118	197
150	120	179	297
200	160	239	396
300	240	360	596

Throw Ratio: 1.5 - 2.5 : 1 (distance : width)

Collegiate Series

Specifications		
Display	**Projection Technology**	3LCD, 3 chip technology
	Resolution	XGA 1024 x 768
	White Light Output	4,000 ANSI lumens
	Color Light Output	4,000 ANSI lumens
	Colors	16.7 million colors
	Aspect Ratio	Native 4:3 / 16:9 and 16:10 compatible
	Contrast Ratio	3000 : 1 (using active IRIS)
	Throw Ratio (distance : width)	1.5 - 2.5 : 1
	Focus Distance	34" - 596"
	Display Size	30" - 300"
Lens & Operation	**Lens**	F = 1.6 - 2.1, f = 19 - 32 mm x 1.7 manual zoom, focus & lens shift
	Lamp Wattage	245W
	Expected Lamp Life*	Approximately 3,000 hours (standard mode) 5,000 hours (Eco mode)
	Expected Filter Life**	Approximately 5,000 hours
	Speaker Output	16W
	Acoustic Noise Level	35 dB (29 dB in Eco mode)
	Keystone	H: +/- 35° and V: +/- 37.5°
Compatibility	**Computer**	VGA, SVGA, XGA, WXGA/SXGA/WXGA+/SXGA+/UXGA (compressed), MAC 16"
	H-Sync	31.5 kHz - 106 kHz
	V-Sync	56 Hz - 120 Hz
	Composite Video	NTSC, NTSC4.43, PAL, PAL-M, -N, SECAM
	Component Video	480i, 480p, 576i, 720p, 1080i, 1080p
	HDMI	480i, 480p, 576i, 720p, 1080i, 1080p, Computer signal TMDS clock 27 MHz - 150 MHz
Connectors	**Digital Input**	HDMI x 1 (HDCP compliant)
	Computer Input 1	15-pin mini D-sub x 1
	Computer Input 2	BNC x 5
	Computer Monitor Output	15-pin mini D-sub x 1
	Video Input	
	S-Video	Mini DIN 4-pin x 1
	Composite Video	RCA jack x 1
	Component Video	RCA jack x 3, 15-pin mini D-sub x 1 (shared with computer In 1) BNC x 3 (shared with computer In 2)
	Audio Input	3.5 mm stereo mini jack x 2, RCA jack (L/R) x 1, MIC-in 3.5 mm mini jack x 1
	Audio Output	RCA jack (L/R) x 1
	Network LAN Wired	RJ-45 port (10 base-T / 100 base-TX)
	Network LAN Wireless	USB-A, IEEE802.11 b/g/n - optional wireless adapter required
	USB	Type A x 2 (PC-less presentation, wireless adapter) Type B x 1 (USB display or mouse control)
	Control Terminals	9-pin D-sub x 1 (RS-232 control)
Ratings & Warranty	**Power Supply**	AC100-120V / AC220-240V, 50/60Hz
	Power Consumption	370W
	Operating Temperature	41°F - 95°F (5°C - 35°C)
	Dimensions (W x D x H)	15.8" x 12.5" x 4.1" (excluding protruding parts)
	Weight	Approximately 10.1 lbs.
	Approvals	UL 60950-1 / cUL, FCC Part 15 subpart B class B
	Warranty	4 year limited parts and labor Extended Service Contract available (additional cost)

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