

LCD Projectors

**CP-WX4021N/CP-X5021N/CP-X4021N**

**HITACHI**  
Inspire the Next

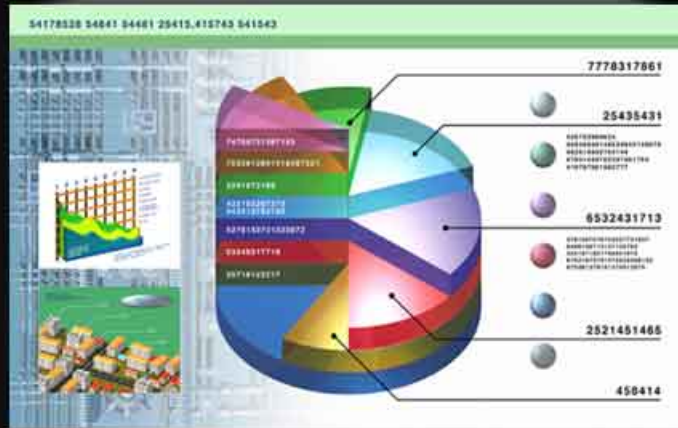


**High Brightness, Networkable Projectors.  
Easier to install and use in a wider range of places.**



- **5,000 Lumens** CP-X5021N
- **WXGA (1280 x 800)** CP-WX4021N
- **Advanced Network Functions**
- **Flexible Installation**
- **High Reliability**

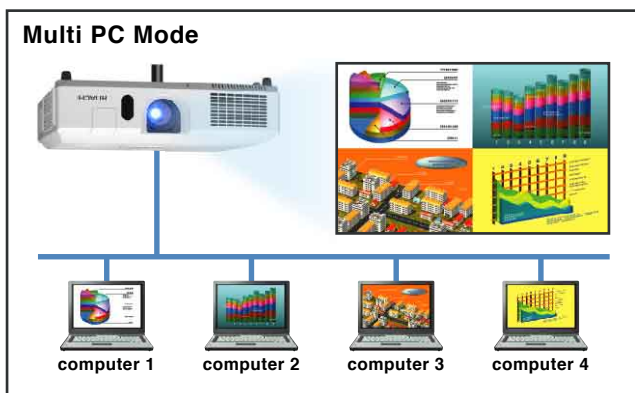




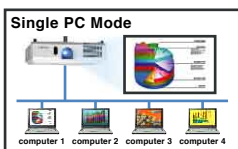
**Packed with functions for maximum effectiveness in large meeting rooms, lecture halls and auditoriums**

## Advanced Network Functions

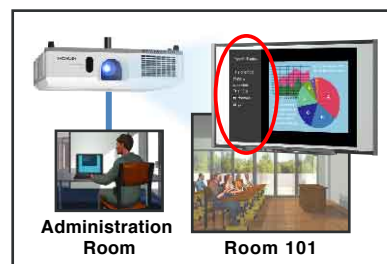
### Network Presentations



You can project still or moving images from one or more networked computers. The Single PC mode lets you select one computer on the network, while the Multi PC mode lets you use up to four computers. Displaying various images from computers makes presentations and lessons much more effective.



### Messenger



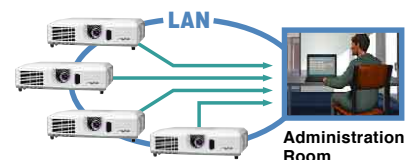
The Messenger function transmits text data to the projector via a network, so the projector can display it. This is an easy and efficient way to send campus-wide announcements.

#### Messenger is ideal for:

- Campus Notifications • School Activities • Daily Schedules
- Community/Local News
- This function is not intended or guaranteed for the distribution of warning messages created by security systems.

### Centralized Reporting

With just one PC in an administration room, you can collect reports from all projectors connected to the network.





LCD Projector  
**CP-WX4021N 4,000 Lumens**

**WXGA**



LCD Projector  
**CP-X5021N 5,000 Lumens**

**XGA**



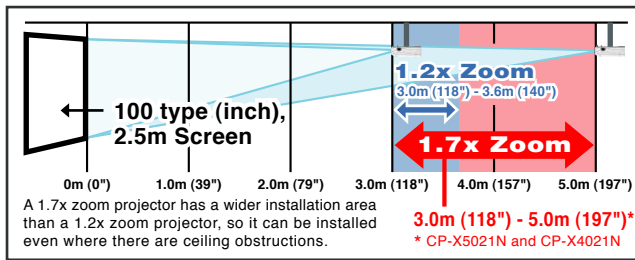
LCD Projector  
**CP-X4021N 4,000 Lumens**

## Flexible Installation

### 1.7x Zoom Lens



Featuring a powerful 1.7x manual zoom lens, these projectors allow a greater range of installation possibilities. This is particularly convenient in rooms that lack installation flexibility due to ceiling obstructions such as water sprinklers, vents and lighting fixtures.



A 1.7x zoom projector has a wider installation area than a 1.2x zoom projector, so it can be installed even where there are ceiling obstructions.

### Manual Optical Lens Shift



You can manually shift the lens horizontally and vertically, to position the image on the screen without causing any distortion. After ceiling mounting, fine adjustments can be done with a screwdriver.

### Perfect Fit



Perfect Fit allows you to make image adjustments by moving the individual corners and sides independent from

one another. Ideal for complex installations where sizing screen to image display is more difficult.

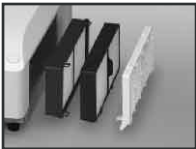
### Instant Stack

Instant Stack lets you place one projector on top of another to project the same image from both onto a screen for added brightness. Overlaying the image is made easier with built-in tools including RS-232C control, Perfect Fit, Lens Shift and stacking alignment peg holes.

• When stacking projectors, there are various cautions and function limitations you should be aware of. Please ask your dealer for details.

## High Reliability and Superior Convenient Functions

### Dust Resistant Design

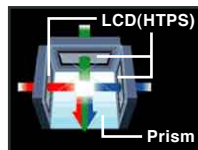


The projectors have a Dust Resistant Design with one air intake, and fans designed for

appropriate airflow to minimize dust in the optics/prism area. In addition, the Hybrid Filter has an electrostatic design with hybrid protection filter layers that protect the optics from dust, dirt and chalk particles. This filter also has a longer life (up to 4,000 hours\*) than previous types, so the projector requires less frequent maintenance.

\* Normal room condition.

### Inorganic LCD Panels



Each projector utilizes three inorganic LCD panels, which feature higher resistance to light. The use of double speed drive further improves picture quality. In addition, the inorganic LCD panels offer high reliability.

### Color Light Output of 5,000 Lumens CP-X5021N

The CP-X5021N has three LCD panels, enabling it to output a high brightness of 5,000 lumens of not only white light but colored light as well (the CP-WX4021N and CP-X4021N output 4,000 lumens). It will project bright color images in large classrooms, large meeting rooms, lecture halls, houses of worship, auditoriums...anywhere you need to use it.

### WXGA (1280 x 800) and 720p Capability CP-WX4021N

Featuring WXGA resolution, the CP-WX4021N is capable of displaying wide and large images with excellent clarity. (CP-X5021N and CP-X4021N are XGA)

### Easy Maintenance

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



Zoom/Focus Ring and Lens Shift Dial cover  
(This cover protects the ring and dial from dust.)

### Versatile Security Functions

These projectors are equipped with a security bar that allows the attachment of a security chain. PIN Lock, MyScreen Lock and Transition Detector functions are also included. A security indicator that flashes adds to security effectiveness.



Security Bar



Security Indicator

### More Convenient Features

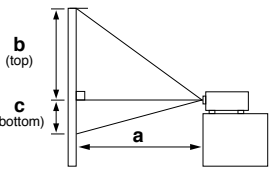
- PC-Less Presentation • Display via USB
- Mic. Input\*1 and 16W Internal Speaker
- 2,000 : 1 High Contrast Ratio
- Low Noise of 29dB\*2 (ECO Mode)
- Audio Pass Through\*3 • Power Saving Mode • Template Function\*4
- My Button • My Text • 4-Second Quick Start • Direct Power On/Off • Auto Vertical Keystone Correction • Network Bridge
- E-mail Alert • My Image (Image Transfer)
- Closed Caption • Compatible with AMX Device Discovery

\*1 Compatible with dynamic microphones and unbalanced signal lines. \*2 Typical. Tested in 23°C environmental conditions. \*3 When in Normal mode at standby setting. It does not function in Saving mode. \*4 Patent pending

## SPECIFICATIONS

| Model name                | CP-WX4021N  | CP-X5021N   | CP-X4021N    |
|---------------------------|---|---|--------------|
| Liquid crystal panel      | 0.59 type (inch), 1.5cm polysilicon active-matrix TFT x 3   | 0.63 type (inch), 1.6cm polysilicon active-matrix TFT x 3 |              |
| Number of pixels          | 1,024,000 pixels (H1280 x V800)   | 786,432 pixels (H1024 x V768)                             |              |
| Resolution                | 1280 x 800 color pixels (WXGA)  | 1024 x 768 color pixels (XGA)                             |              |
| Manual zoom               |   | x1.7  |              |
| Lamp                      |   | 245W UHB  |              |
| Light output (brightness) | 4,000 Lumens  | 5,000 Lumens  | 4,000 Lumens |
| Contrast ratio            |   | 2,000:1 (Iris on)   |              |
| Audio                     |   | 16W mono (8W x 2)   |              |
| Keystone correction       |   | Auto Vertical and manual horizontal 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, WSXGA+, UXGA, MAC16"<br>Video input: NTSC, NTSC4.43, PAL, SECAM, M-PAL, N-PAL<br>HDTV: 720p@50/60, 1080i@50/60, 1080p@50/60<br>SDTV: 480i, 480p, 576i, 576p  | VGA, SVGA, XGA, WXGA, WXGA+, SXGA, SXGA+, UXGA, MAC16"    |              |
| Input/output terminals    | Video input: S-Video: Mini Din 4-pin x 1, Composite video: RCA jack x 1, Component video: RCA jack x 3<br>Audio input: Stereo Mini jack x 2 (L/R)<br>Computer input: Analog RGB: 15-pin Mini-Dsub x 1, BNC x 1<br>HDMI input: HDMI x 1<br>Audio output: RCA jack x 2 (L/R)<br>Monitor output: Analog RGB: 15-pin Mini-Dsub x 1<br>USB: USB type A x 1 for PC-less presentation, USB type B x 1 for USB display, USB mouse control<br>Control: 9-pin Dsub x 1 for RS232C<br>Wired network (LAN): RJ-45 x 1<br>Mic. input: Stereo Mini jack x 1 (compatible with dynamic microphones and unbalanced signal lines) |   |              |
| Agency certifications     | UL/cUL, FCC Part15 class B, AS/NZS CISPR22 class B, CE, RoHS, GOST-R  |   |              |
| Dimensions (WxHxD)        | 401 x 103 x 318mm (15.79" x 4.06" x 12.52") [excluding protruding part]   |   |              |
| Weight                    | Approximately 4.6kg (10.1 lbs.)   |   |              |
| Standard accessories      | Computer cable, Remote control, Batteries, Lens cover, Power cord, User's manual, Security label  |   |              |
| Optional accessories      | Lamp: DT01171, Air Filter: MU06641, Laser remote control: HL02651 (RC-R008)   |   |              |

## PROJECTION DISTANCE

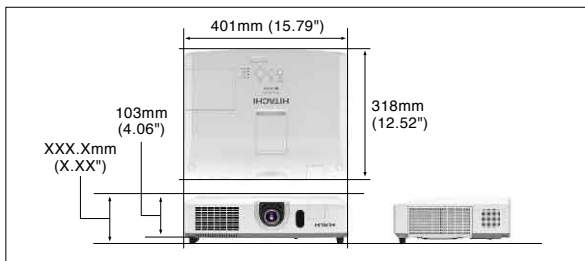


**a:** LCD projector-to-screen distance  
**b:** Screen height from lens center to top  
**c:** Screen height from lens center to bottom

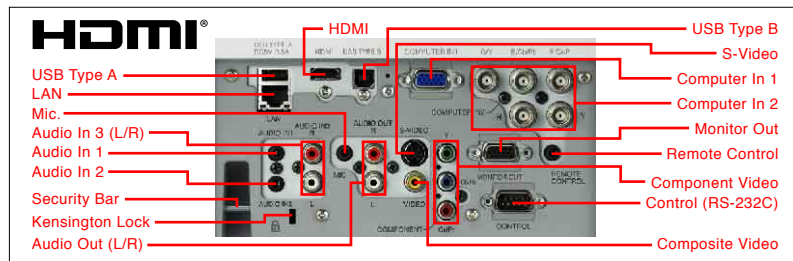
| CP-WX4021N                 |             |              |              |            | CP-X5021N/CP-X4021N      |             |              |              |            |
|----------------------------|-------------|--------------|--------------|------------|--------------------------|-------------|--------------|--------------|------------|
| Screen Size (16:10 Screen) | a Min       | a Max        | b (top)      | c (bottom) | Screen Size (4:3 Screen) | a Min       | a Max        | b (top)      | c (bottom) |
| 30 type (inch), 0.8m       | 0.9m (36")  | 1.5m (61")   | 44cm (17")   | 4cm (2")   | 30 type (inch), 0.8m     | 0.9m (34")  | 1.5m (57")   | 46cm (18")   | 0cm (0")   |
| 40 type (inch), 1.0m       | 1.2m (49")  | 2.1m (82")   | 59cm (23")   | 5cm (2")   | 40 type (inch), 1.0m     | 1.2m (46")  | 2.0m (77")   | 61cm (24")   | 0cm (0")   |
| 50 type (inch), 1.3m       | 1.6m (61")  | 2.6m (103")  | 74cm (29")   | 7cm (3")   | 50 type (inch), 1.3m     | 1.5m (58")  | 2.5m (97")   | 76cm (30")   | 0cm (0")   |
| 60 type (inch), 1.5m       | 1.9m (74")  | 3.2m (124")  | 89cm (35")   | 8cm (3")   | 60 type (inch), 1.5m     | 1.8m (70")  | 3.0m (117")  | 91cm (36")   | 0cm (0")   |
| 70 type (inch), 1.8m       | 2.2m (87")  | 3.7m (145")  | 104cm (41")  | 9cm (4")   | 70 type (inch), 1.8m     | 2.1m (82")  | 3.5m (137")  | 107cm (42")  | 0cm (0")   |
| 80 type (inch), 2.0m       | 2.5m (100") | 4.2m (167")  | 118cm (47")  | 11cm (4")  | 80 type (inch), 2.0m     | 2.4m (94")  | 4.0m (157")  | 122cm (48")  | 0cm (0")   |
| 90 type (inch), 2.3m       | 2.9m (113") | 4.8m (188")  | 133cm (52")  | 12cm (5")  | 90 type (inch), 2.3m     | 2.7m (106") | 4.5m (177")  | 137cm (54")  | 0cm (0")   |
| 100 type (inch), 2.5m      | 3.2m (126") | 5.3m (209")  | 148cm (58")  | 13cm (5")  | 100 type (inch), 2.5m    | 3.0m (118") | 5.0m (197")  | 152cm (60")  | 0cm (0")   |
| 120 type (inch), 3.0m      | 3.8m (151") | 6.4m (251")  | 178cm (70")  | 16cm (6")  | 120 type (inch), 3.0m    | 3.6m (142") | 6.0m (237")  | 183cm (72")  | 0cm (0")   |
| 150 type (inch), 3.8m      | 4.8m (190") | 8.0m (315")  | 222cm (87")  | 20cm (8")  | 150 type (inch), 3.8m    | 4.5m (179") | 7.5m (297")  | 229cm (90")  | 0cm (0")   |
| 200 type (inch), 5.1m      | 6.4m (254") | 10.7m (421") | 296cm (117") | 27cm (11") | 200 type (inch), 5.1m    | 6.1m (239") | 10.1m (396") | 305cm (120") | 0cm (0")   |
| 250 type (inch), 6.4m      | 8.1m (318") | 13.4m (526") | 370cm (146") | 34cm (13") | 250 type (inch), 6.4m    | 7.6m (300") | 12.6m (496") | 381cm (150") | 0cm (0")   |
| 300 type (inch), 7.6m      | 9.7m (382") | 16.1m (632") | 444cm (175") | 40cm (16") | 300 type (inch), 7.6m    | 9.1m (360") | 15.1m (596") | 457cm (180") | 0cm (0")   |

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

## 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 XX%\*, reducing CO2 emissions during transport.

\*2 Compared to Hitachi CP-XXXX 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.
- HDMI, the HDMI Logo, and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC in the United States and other countries.

**Remote control warning:** Do not look into the laser beam. Class 2 Laser product; maximum output 1mW; wavelength 650nm.



# HITACHI

Hitachi America, Ltd., Digital Media Division, Business Solutions Group 900 Hitachi Way, Chula Vista, CA 91914-3556, U.S.A. and Canada

Tel: +1-800-HITACHI Fax: +1-619-591-5418 [www.hitachi-america.us/digitalmedia](http://www.hitachi-america.us/digitalmedia)

Hitachi Home Electronics Asia (S) Pte. Ltd. 438A Alexandra Road #01-01/02/03, Alexandra Technopark, Singapore 119967

Tel: +65-6536-2520 Fax: +65-6536-2521 [www.hitachiconsumer.com.sg](http://www.hitachiconsumer.com.sg)

Hitachi Sales (Malaysia) Sdn. Berhad (11543-V) Lot 12, Jalan Kemajuan, Bangi Industrial Estate, 43650 Bandar Baru Bangi, Selangor Darul Ehsan, Malaysia.

Tel: +60-3-8926-4168 Fax: +60-3-8926-3013 [www.hitachiconsumer.com.my](http://www.hitachiconsumer.com.my)

Hitachi Sales (Thailand), Ltd. 994 Soi Thonglor, Sukhumvit 55 Road, Klongtonnua, Vadhana Bangkok 10110, Thailand

Tel: +66-2381-8381-98 Fax: +66-2381-0210/2381-0021 [www.hitachi-th.com](http://www.hitachi-th.com)

Hitachi (Hong Kong), Ltd. 18th Floor, Ever Gain Centre, 28 On Muk Street, Shatin, N.T., Hong Kong Tel: +852-2113-8883 Fax: +852-2783-4178 [www.hitachi-hk.com.hk](http://www.hitachi-hk.com.hk)

Hitachi Sales Corp. of Taiwan 2nd Floor, No.65, Nanking East Road, Section 3, Taipei 104, Taiwan Tel: +886-2-2516-0500 Fax: +886-2-2516-1501 [www.hsc.com.tw](http://www.hsc.com.tw)

Hitachi Australia Pty Ltd. Level 3, 82 Waterloo Road, North Ryde, NSW 2113, Australia Tel: +61-2-9888-4100 Fax: +61-2-9888-4188 [www.hitachi.com.au](http://www.hitachi.com.au)

Hitachi Europe Ltd. Whitebrook Park, Lower Cookham Road, Maidenhead, Berkshire, SL6 8YA, UK Tel: +44-1628-585000 Fax: +44-1628-643404 [www.hitachidigitalmedia.com](http://www.hitachidigitalmedia.com)

Printed in Japan (H) NM-E356 0910