SPECIFICATIONS

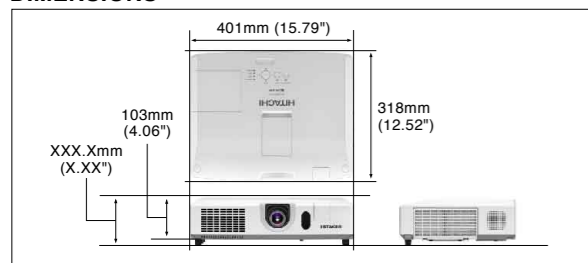| Model name	CP-WX4021N	CP-X5021N	CP-X4021N
Liquid crystal panel	0.59 type (inch), 1.5cm polysilicon active-matrix TFT x 3	0.63 type (inch), 1.6cm polysilicon active-matrix TFT x 3	
Number of pixels	1,024,000 pixels (H1280 x V800)	786,432 pixels (H1024 x V768)	
Resolution	1280 x 800 color pixels (WXGA)	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"	VGA, SVGA, XGA, WXGA, WXGA+, SXGA, SXGA+, UXGA, MAC16"	
Input signals — 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	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)		
Input/output terminals — Computer input	Analog RGB: 15-pin Mini-Dsub x 1, BNC x 1		
Input/output terminals — HDMI input	HDMI x 1		
Input/output terminals — Audio output	RCA jack x 2 (L/R)		
Input/output terminals — Monitor output	Analog RGB: 15-pin Mini-Dsub x 1		
Input/output terminals — USB	USB type A x 1 for PC-less presentation, USB type B x 1 for USB display, USB mouse control		
Input/output terminals — Control	9-pin Dsub x 1 for RS232C		
Input/output terminals — Wired network (LAN)	RJ-45 x 1		
Input/output terminals — 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: XXXXXX		

PROJECTION DISTANCE

CP-WX4021N

Screen Size (16:10 Screen)	a Min	a Max	b (top)	c (bottom)
30 type (inch), 0.8m	0.9m (36")	1.5m (61")	44cm (17")	4cm (2")
40 type (inch), 1.0m	1.2m (49")	2.1m (82")	59cm (23")	5cm (2")
50 type (inch), 1.3m	1.6m (61")	2.6m (103")	74cm (29")	7cm (3")
60 type (inch), 1.5m	1.9m (74")	3.2m (124")	89cm (35")	8cm (3")
70 type (inch), 1.8m	2.2m (87")	3.7m (145")	104cm (41")	9cm (4")
80 type (inch), 2.0m	2.5m (100")	4.3m (167")	118cm (47")	11cm (4")
90 type (inch), 2.3m	2.9m (113")	4.8m (188")	133cm (52")	12cm (5")
100 type (inch), 2.5m	3.2m (126")	5.3m (209")	148cm (58")	13cm (5")
120 type (inch), 3.0m	3.8m (151")	6.4m (251")	178cm (70")	16cm (6")
150 type (inch), 3.8m	4.8m (190")	8.0m (315")	222cm (87")	20cm (8")
200 type (inch), 5.1m	6.4m (254")	10.7m (421")	296cm (117")	27cm (11")
250 type (inch), 6.4m	8.1m (318")	13.4m (526")	370cm (146")	34cm (13")
300 type (inch), 7.6m	9.7m (382")	16.1m (632")	444cm (175")	40cm (16")

CP-X5021N/CP-X4021N

Screen Size (4:3 Screen)	a Min	a Max	b (top)	c (bottom)
30 type (inch), 0.8m	0.9m (34")	1.5m (57")	46cm (18")	0cm (0")
40 type (inch), 1.0m	1.2m (46")	2.0m (77")	61cm (24")	0cm (0")
50 type (inch), 1.3m	1.5m (58")	2.5m (97")	76cm (30")	0cm (0")
60 type (inch), 1.5m	1.8m (70")	3.0m (117")	91cm (36")	0cm (0")
70 type (inch), 1.8m	2.1m (82")	3.5m (137")	107cm (42")	0cm (0")
80 type (inch), 2.0m	2.4m (94")	4.0m (157")	122cm (48")	0cm (0")
90 type (inch), 2.3m	2.7m (106")	4.5m (177")	137cm (54")	0cm (0")
100 type (inch), 2.5m	3.0m (118")	5.0m (197")	152cm (60")	0cm (0")
120 type (inch), 3.0m	3.6m (142")	6.0m (237")	183cm (72")	0cm (0")
150 type (inch), 3.8m	4.5m (179")	7.5m (297")	229cm (90")	0cm (0")
200 type (inch), 5.1m	6.1m (239")	10.1m (396")	305cm (120")	0cm (0")
250 type (inch), 6.4m	7.6m (300")	12.6m (496")	381cm (150")	0cm (0")
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.

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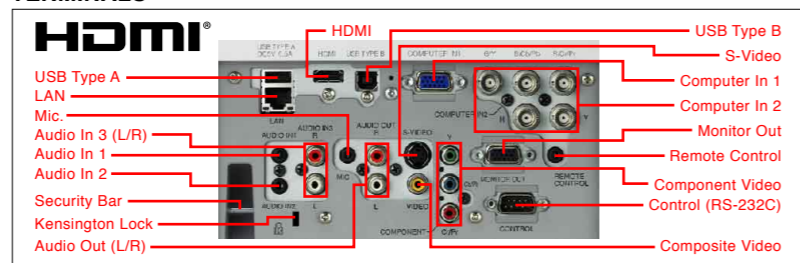c : Screen height from lens center to bottom

DIMENSIONS

401mm (15.79")
103mm (4.06")
318mm (12.52")
XXX.Xmm (X.XX")

TERMINALS

HDMI
USB Type B
S-Video
Computer In 1
Computer In 2
Monitor Out
Remote Control
Component Video
Control (RS-232C)
Composite Video
USB Type A
LAN
Mic.
Audio In 3 (L/R)
Audio In 1
Audio In 2
Security Bar
Kensington Lock
Audio Out (L/R)

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%*2, reducing CO_2 emissions during transport.

*2 Compared to Hitachi CP-XXXXX 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

dnx pixelworks™

HITACHI

Printed in Japan (H) **NM-E356** 0910

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**

AMX DEVICE DISCOVERY

3LCD

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

LCD Projector
CP-WX4021N 4,000 Lumens
WXGA

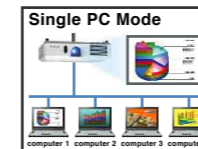### LCD Projector
CP-X5021N 5,000 Lumens
XGA

LCD Projector
CP-X4021N 4,000 Lumens

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.

Single PC Mode

computer 1 computer 2 computer 3 computer 4

■ Messenger

The Messenger function transmits text data to the projector via a network, so the projector can display it. Four types of display are possible: Horizontal Scrolling, Box, Pop-on and Picture Side. 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.

LAN

Administration Room

Advanced Network Functions

Network Presentation

Multi PC Mode

Messenger

Administration Room

computer 1   computer 2   computer 3   computer 4
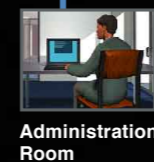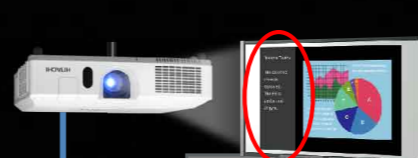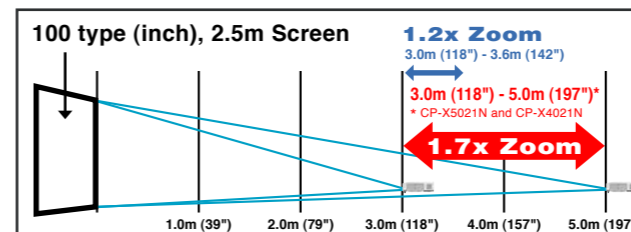
Room 101

Flexible Installation

■ 1.7x Zoom Lens

The projectors have a 1.7x manual zoom lens, allowing a greater range of placement possibilities. For example, the projector can be used within a range of 3 to 5m (118 to 197")* from a 100 type (inch), 2.5m screen. With 1.2x zoom, operating distance is only 3 to 3.6m (118 to 142") from a 100 type (inch), 2.5m screen.
* CP-X5021N and CP-X4021N

100 type (inch), 2.5m Screen

1.2x Zoom
3.0m (118") - 3.6m (142")

3.0m (118") - 5.0m (197")*
* CP-X5021N and CP-X4021N

1.7x Zoom

1.0m (39")   2.0m (79")   3.0m (118")   4.0m (157")   5.0m (197")

■ Manual Optical Lens Shift

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

■ Perfect Fit

Perfect Fit lets you adjust the image to fit exactly on the screen. Doing adjustments is easy with the remote control and the on-screen operating menu.

■ Instant Stack

Instant Stack lets you stack two projectors, connect them via an RS-232C cable, and easily adjust the projected images. Therefore it is possible to project the same image from both on to a screen.
- When stacking projectors, there are various cautions and function limitations you should be aware of. Please ask your dealer for details.

Flexible Installation

1.7x Zoom Lens

Lens Shift

Perfect Fit

High Reliability

Inorganic LCD Panels

High Reliability and Superior Convenient Functions

■ Inorganic LCD Panels

These projectors use 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.

■ High Brightness of 5,000 Lumens   CP-X5021N

The CP-X5021N features high brightness output of 5,000 lumens. (CP-WX4021N and CP-X4021N are 4,000 lumens) It will project bright images in large classrooms, large meeting rooms, lecture halls, houses of worship, auditoriums…anywhere you need to use it.

■ WXGA (1280 x 800) 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)

■ 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 on the side, so maintenance and replacement can be done easily.

Lamp Door on the top

Filter Cover on the side

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.

MENU

SECURITY
LAMP
TEMP
POWER
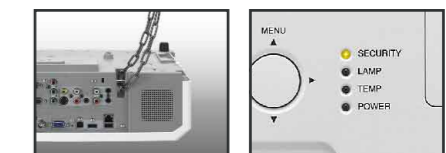
Security Bar   **Security Indicator**

■ 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