# **CP-WX4042WN** LCD Projector

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Inspire the Next

## High performance LCD projector captures attention in classrooms or conference rooms with dynamic images and 4,000 ANSI lumens.

From the classroom to the conference room, Hitachi's CP-WX4042WN LCD projector combines superior image clarity, high quality value, and long-life reliability. Bright, vivid colors with razor-sharp text and bold graphics will truly enhance any lesson or meeting and make it more memorable. For greater installation convenience, the CP-WX4042WN has a cloning function which enables you to copy configuration settings from one projector to others of the same model via USB memory. The CP-WX4042WN also includes our iOS application Projector Quick Connection App which offers simple control options including sending photo and document files and web site contents to the projector. Additionally, the CP-WX4042WN supports MHL screen mirroring compatible with any and all apps. Hitachi's Intelligent Eco Mode with ImageCare combines optimal picture performance with maximum energy savings for a lower total cost of ownership. For added peace of mind, Hitachi's CP-WX4042WN is also backed by a generous warranty and our world-class service and support programs.

## Key Features

- WXGA 1280 x 800 resolution
- 4,000 ANSI lumens white/color output
- 16 watt audio output
- 10,000:1 contrast ratio
- HDMI 2 inputs
- 5,000 hours unwoven filter*
- 10,000 hours lamp life (Eco-2 mode)**
- HDCR/Accentualizer
- Perfect Fit
- Mobile High-Definition (MHL™)

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3LCD

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## UNIQUE FEATURES

### Accentualizer

Hitachi original technology makes pictures look more real by enhancing sharpness, gloss and shade to make pictures as clear as pictures on a flat-panel device. You can also adjust the effects by three levels according to your surroundings so that the colors of projected images are the actual colors of the objects they represent.

*Sharpness* *Gloss* *Shade*

### HDCR (High Dynamic Contrast Range)

When average projectors are used in bright rooms, the darker colors of an image deteriorate and images become unclear. Using this function, blurred images caused by room lighting or outside light sources are corrected, and an effect similar to increas ing contrast occurs. This results in clear images even in bright rooms.

### 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.

### 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.

### MHL™

MHL (Mobile High-Definition) allows users to mirror their phone/tablet screen with the projector display. It is compatible with any and all apps.

### 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 App For Mobile Devices

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

## UNIQUE FEATURES Cont'd

### 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

### Input Source Naming

Users can rename input sources in more descriptive terms instead of the factory default names.

### 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.

### PIN Lock / MyScreen / MyText

PIN lock protection can limit projector users. MyScreen PIN lock keeps captured images on the startup screen. Users can set any name logo to MyScreen, clearly identifying ownership. MyText provides the ability to write text on the startup screen such as model name, serial number or location.

### 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.

### Wireless Presentation Compatible

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

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## Long-life reliability with a lower total cost of ownership.

From classrooms to conference rooms, Hitachi's CP-WX4042WN can make a big impact on your audience. With 4,000 ANSI lumens brightness and WXGA 1280 x 800 resolution, the CP-WX4042WN is designed to make any message more memorable with colorful images, crisp text, and powerfully clear audio.

Incorporating Hitachi's leading-edge technology, the CP-WX4042WN features high contrast ratio, long lamp life, cloning function enabling you to copy configuration settings from one projector to others of the same model, and is wireless presentation compatible. Plus, embedded networking gives you the ability to manage and control multiple projectors over your LAN (scheduling of events, centralized reporting, image transfer, and e-mail alerts). Even with the the array of advanced features, Hitachi's CP-WX4042WN is designed for user-friendly operation and installation convenience.

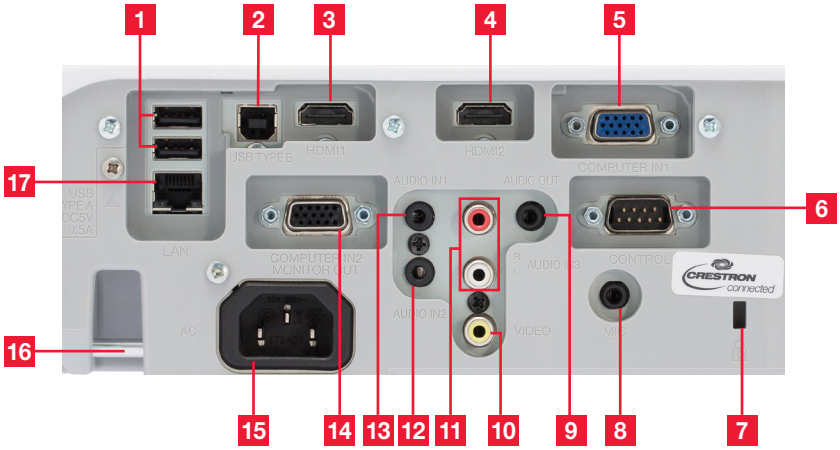
Front View

Top View

Left Profile

Right Profile

## Input/Outputs




1. USB Type A x 2
2. USB Type B
3. HDMI1
4. HDMI2/MHL
5. Computer in 1
6. Control (RS-232C)
7. Kensington Lock
8. Microphone Input
9. Audio Out
10. Video
11. Audio in 3
12. Audio in 2
13. Audio in 1
14. Computer in 2/ Monitor Out
15. AC
16. Security Bar
17. LAN

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## Accessories and Lenses

| | |
|---|---|
| **Supplied Accessories** | Remote control, power cord, computer cable, 2 AA batteries, lens cover, adapter cover, security label, application CD, user's manual CD, user's manual |
| **Optional Accessories** | USBWL11N USB wireless adapter, TB-1 wireless pen tablet |
| **Optional Lenses** | NA |

## Replacement Parts

| | |
|---|---|
| **Lamp** | DT01481 with filter |
| **Remote Control** | HL03031 |
| **Filter** | UX38841 |

### Projection Throw Chart

| Screen Size 16:10 | | Throw Distance | |
|---|---|---|---|
| **Diagonal** | **Width** | **Min** | **Max** |
| 30 | 25 | 36 | 44 |
| 60 | 51 | 74 | 89 |
| 80 | 68 | 99 | 120 |
| 100 | 85 | 125 | 150 |
| 200 | 170 | 251 | 302 |
| 300 | 254 | 378 | 454 |

Throw Ratio: 1.5 - 1.8 : 1 (distance : width)
Screen size and throw distance are measured in inches.

## Specifications

| | | |
|---|---|---|
| Display | **Projection Technology** | 3LCD, 3 chip technology |
| | **Resolution** | WXGA - 1280 x 800 |
| | **White Light Output** | 4,000 ANSI lumens |
| | **Color Light Output** | 4,000 ANSI lumens |
| | **Colors** | 16.7 million colors |
| | **Aspect Ratio** | Native 4:3 and 16:9 / 16:10 compatible |
| | **Contrast Ratio** | 10,000 : 1 (using active IRIS) |
| | **Throw Ratio** (distance : width) | 1.5 - 1.8 : 1 |
| | **Focus Distance** | 35" - 456.6" |
| | **Display Size** | 30" - 300" |
| Lens & Operation | **Lens** | F = 1.9 - 2.3, f = 19 - 23 mm, x 1.2 manual zoom |
| | **Lamp Wattage** | 225W |
| | **Expected Filter Life*** | Approximately 5,000 hours |
| | **Expected Lamp Life**** | Approximately 5,000 hours (standard mode)<br>10,000 hours (Eco-2 mode) |
| | **Speaker Output** | 16W |
| | **Keystone** | H and V: +/- 30° |
| Compatibility | **Computer** | VGA, SVGA, XGA, WXGA,<br>WXGA+/SXGA/SXGA+/UXGA (compressed), MAC 16" |
| | **H-Sync** | 15 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,<br>Computer signal TMDS Clock 27 MHz - 162 MHz |
| | **MHL** | 481, 480p, 576i, 576p, 720p, 1080i, 1080p<br>Computer signals TMDS clock 25 MHz - 75 MHZ |
| Connectors | **Digital Input** | HDMI/MHL x 1, HDMI x 1 (HDCP compliant) |
| | **Computer Input 1** | 15-pin mini D-sub x 1 (shared with analog component video input) |
| | **Computer Input 2** | 15-pin mini D-sub x 1 (shared with analog component video input and MONITOR OUT) |
| | **Computer Monitor Output** | 15-pin mini D-sub x 1 (shared with COMPUTER IN 2 and analog component video input) |
| | **Video Input** | |
| | Composite Video | RCA jack x 1 |
| | Component Video | 15-pin mini D-sub x2 (shared with computer in 1, in 2/Monitor out) |
| | **Audio Input** | 3.5 mm stereo mini jack x 2, RCA jack (L/R) x 1,<br>MIC-in 3.5 mm mini jack x 1 |
| | **Audio Output** | 3.5mm stereo mini jack x 1 |
| | **Network LAN Wired** | RJ-45 port |
| | **Network LAN Wireless** | USB-A, IEEE802.11 b/g/n - optional wireless adapter required |
| | **USB** | Type A x 2 (PC-less presentation, wireless adapter)<br>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** | 330W / 310W |
| | **Operating Temperature** | 41°F - 95°F (5°C - 35°C) |
| | **Dimensions (W x D x H)** | 12.6" x 9.7" x 3.4" (excluding protruding parts) |
| | **Weight** | Approximately 6.8 lbs. |
| | **Approvals** | UL 60950-1 / cUL FCC Part 15 subpart B class B |
| | **Warranty** | 3 year limited parts and labor<br>Extended Service Contract available (additional cost) |

* Actual filter life will vary by individual filter 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 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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