

LCD Projectors



Multifunctional model suitable for use in large classrooms including university classrooms and conference rooms



CP-EU5001WN
CP-EU4501WN

CP-EW5001WN
CP-EX5001WN

Specifications

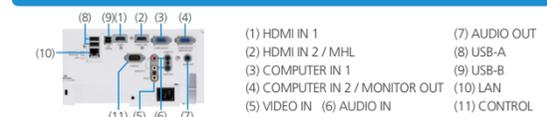
Model name	CP-EU5001WN	CP-EU4501WN	CP-EW5001WN	CP-EX5001WN
Display system	3LCD			
Display Size of effective display area	0.64" aspect ratio 16 : 10		0.59" aspect ratio 16 : 10	
Device	2,304,000 pixels H : 1920 x V : 1200 (WUXGA)		1,024,000 pixels H : 1280 x V : 800 (WXGA)	
Number of pixels	2,304,000 pixels H : 1920 x V : 1200 (WUXGA)		786,432 pixels H : 1024 x V : 768 (XGA)	
Lens	Zoom Manual (1.6x) Focus Manual			
Light source	280W Lamp			
Screen size	30 - 300 inch			
Light output (Brightness)*1	5,000lm	4,500lm	5,000lm	5,200lm
Contrast ratio (full white / full black)*2	16,000:1			
Speaker	16W x 1 mono			
Displayable scanning frequency	Horizontal 15k - 106 kHz Vertical 50 - 120 Hz			
Display resolution	Computer	VGA, SVGA, XGA, WXGA, WXGA+, SXGA, SXGA+*3, WSXGA+*4, UXGA, Full HD, Mac 16", WUXGA*5*6	Video	NTSC, NTSC443, PAL SECAM, PAL-M, PAL-N, PAL(60Hz), 480i@60, 480p@60, 576i@50, 576p@50, 720p@50/60, 1080i@50/60, 1080p@50/60
Terminals	COMPUTER IN 1	Mini D-sub 15-pin connector x 1		
COMPUTER IN 2 / MONITOR OUT	Mini D-sub 15-pin connector x 1			
VIDEO IN	RCA connector x 1			
HDMI IN	HDMI (HDCP compliant) x 2 (HDMI 2 supports MHL input.)			
AUDIO IN	3.5mm stereo mini connector x 2, RCA connector L / R x 1			
AUDIO OUT	3.5mm stereo mini connector x 1			
CONTROL IN (RS-232C)	D-sub 9-pin connector x 1			
LAN	RJ-45 connector x 1			
USB-A	USB type A x 2 (PC-LESS Presentation or Wireless adapter (option))			
USB-B	USB type B x 1 (USB mouse control)			
Network	Wired	100BASE-TX / 10BASE-T		USB type B x 1 (USB display, or USB mouse control)
Wireless (Option*7)	IEEE 802.11a/b/g/n/ac		IEEE 802.11b/g/n	
Operating temperature	5 - 35°C			
Operating humidity	10 - 90%RH (non-condensing)			
Power requirements	AC 100V - 120V (50/60Hz) : 4.3A AC 220V - 240V (50/60Hz) : 2.1A		AC 100V - 120V (50/60Hz) : 4.1A AC 220V - 240V (50/60Hz) : 2.0A	
Power consumption	AC 100V - 120V (50/60Hz) : 410W AC 220V - 240V (50/60Hz) : 400W		AC 100V - 120V (50/60Hz) : 400W AC 220V - 240V (50/60Hz) : 390W	
Standby mode power consumption	Less than 0.35W at saving mode*8			
Standard outside dimensions (W x H x D)	413 x 123 x 315mm (16.3" x 4.8" x 12.4") (Including protruding parts), 407 x 108 x 312mm (16.0" x 4.3" x 12.3") (Excluding protruding parts)			
Weight	Approx. 5.3kg (11.7 lbs)		Approx. 5.2kg (11.5 lbs)	
Accessories	Power cable, Computer cable, Remote controller with two AA batteries, Adapter cover (for USB wireless adapter), Security label, User's manual (Book, CD), Lens cover, Application CD, HDMI cable holder, Cable tie			
Optional parts	USB Wireless Adapter	USB-WL-5G*9		USB-WL-11N*9
	Lamp : DT02061, Filter set : UX41161 HAS-9110 (Bracket for fixing mount), HAS-204L (Standard adapter for fixing mount),	HAS-1045 (Slim adapter for fixing mount), HAS-304H (Long adapter for fixing mount)		

*1 When PICTURE MODE is set to DYNAMIC, ACTIVE IRIS is set to OFF, and ZOOM position is WIDE (max). *2 When PICTURE MODE is set to DYNAMIC, ACTIVE IRIS is set to ON, and ZOOM position is WIDE (max). *3 Only for CP-EU5001WN. *4 Only for CP-EU4501WN and CP-EU5001WN. *5 Only for CP-EU4501WN and CP-EU5001WN. *6 WUXGA (60Hz) Reduced Blanking only. *7 Optional wireless adapter is needed. *8 SAVING mode disables the functions of MONITOR OUT, AUDIO OUT, speaker sound, network communication, RS-232C control except POWER ON command, etc. in standby. *9 The availability of the USB wireless adapter varies depending on the country and the region.

Dimensions



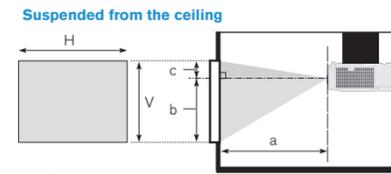
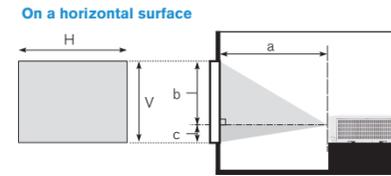
Terminals



Environment

- Compliance with EU Directive RoHS*1
 - Reduction of resin usage in production
 - Power saving mode engaged during standby
 - Eco mode Eco mode provides power saving.
- *1 RoHS is the acronym of "Directive 2011/65/EU of the European Parliament and of the Council of 8 June 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment".

Projection Distance



H x V : Screen size
a : Projection distance (from the projector's front panel to screen. Tolerance ±10%)
b : Screen height from lens center to top (when installed on a horizontal surface)
c : Screen height from lens center to bottom (when installed on a horizontal surface)
*The figures above are not drawn to scale.

CP-EX5001WN 4 : 3 screen (1,024 x 768)(±10%)

Screen type	Screen size		Projection distance a		Screen height	
	H	V	min.	max.	b	c
60 (inch)	1.2	0.8	1.6	2.7	106	76
80	1.6	1.2	2.2	3.6	143	102
100	2.0	1.5	2.8	4.6	180	127
120	2.4	1.8	3.4	5.5	217	152
150	3.0	2.3	4.2	6.9	272	191
200	4.1	3.0	5.7	9.2	363	254

CP-EW5001WN 16 : 10 screen (1,280 x 800)(±10%)

Screen type	Screen size		Projection distance a		Screen height	
	H	V	min.	max.	b	c
60 (inch)	1.3	0.8	1.7	2.9	113	73
80	1.7	1.1	2.4	3.9	152	97
100	2.2	1.3	3.0	5.0	191	121
120	2.6	1.6	3.6	5.8	230	145
150	3.2	2.0	4.5	7.3	288	182
200	4.3	2.7	6.0	9.8	385	242

CP-EU5001WN / CP-EU4501WN 16 : 10 screen (1,920 x 1,200)(±10%)

Screen type	Screen size		Projection distance a		Screen height	
	H	V	min.	max.	b	c
60 (inch)	1.3	0.8	1.6	2.6	104	70
80	1.7	1.1	2.2	3.6	140	94
100	2.2	1.3	2.7	4.5	176	117
120	2.6	1.6	3.3	5.4	212	141
150	3.2	2.0	4.2	6.8	266	176
200	4.3	2.7	5.6	9.1	357	234

—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. • This projector uses the 5GHz and 2.4 GHz radio frequency band, but depending on the country or region you are in, the channels that you can use might be limited. Please consult your dealer for information on the usable channels.
• Windows® is a trademark, or a registered trademark of Microsoft Corporation in the United States and/or other countries. • Crestron Connected and the Crestron Connected Logo are registered trademarks of Crestron Electronics. • MHL, the MHL logo, and Mobile High-Definition Link are trademarks or registered trademarks of MHL, LLC in the United States and other countries. • HDMI, the HDMI Logo, and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing Administrator, Inc. in the United States and other countries. • All other trademarks are the properties of their respective owners.

HITACHI

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September 2018

NM-E513 092018



*Projected images are simulations



High Image Quality

ACCENTUALIZER and HDCR

ACCENTUALIZER makes pictures look more real by enhancing shade, sharpness, and gloss, to make pictures clearer. The HDCR function corrects blurred images caused by room lighting or outside light sources and creates an effect similar to increasing contrast resulting in clear images even in bright rooms.

* Comparison photos are simulations.

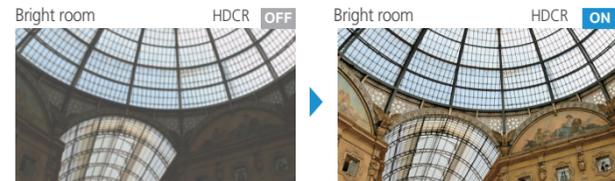


Image Optimizer

Equipped with IMAGE OPTIMIZER that maintains visibility of an image through automatic image correction in accordance with lamp consumption.

* This function may not work properly when HDCR/ACCENTUALIZER is ON.
* Comparison photos are simulations.



Convenient Functions

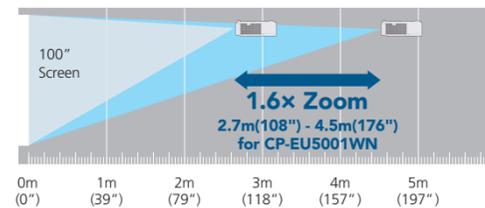
Perfect Fit

Equipped with Perfect Fit with which the position of four corners and four sides of a projected image can be adjusted. With the remote controller at hand, you can quickly correct the distorted image such as pincushion or barrel.



1.6x Zoom Lens

Featuring a powerful 1.6x manual zoom lens, the projectors allow for a greater range of installation possibilities.



MHL® connectivity

The projectors' HDMI2 input terminal supports the MHL (Mobile High-Definition Link). This feature allows you to mirror the screen of your MHL-enabled smartphone / tablet on a projected screen.



MHL Cable

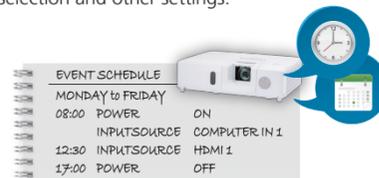
2 HDMI inputs

Equipped with 2 HDMI input terminals for the current widely-used interface.



Easy Schedule Setting

You can schedule routine and special projector events, including power on, power off, input selection and other settings.



CP-EU5001WN

WUXGA 5,000lm



CP-EU4501WN

WUXGA 4,500lm



CP-EW5001WN

WXGA 5,000lm



CP-EX5001WN

XGA 5,200lm

Network Function / Capability

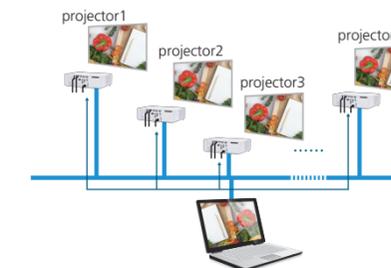
Wireless Capability (Option)

The Projector is capable of a wireless network with the optional USB wireless adapter. You can control the projector with a computer via the network, and also project the screen of the computer on which the LiveViewer software is installed.



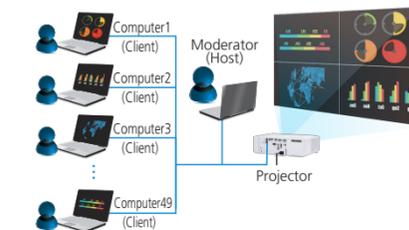
Multi Projector*1

You can project the same image from up to 12*2 projectors simultaneously. This is useful for meetings and lectures in large venues where a single screen would not be sufficient.



Moderator Control Mode*1

Setting one computer from the multiple computers (up to 50*3) that are connected to the projector as the moderator (host) makes it possible for the moderator to project the image from all the computers (clients).



Smart Device Control

Using the dedicated free online application Projector Quick Connection, you can control the projector from a tablet or smart phone. In addition, you can project images, documents, and photos on the smart device.

*Projector need to be connected to network.
*See the Hitachi website for details
http://www.hitachi.co.jp/proj/en/apps/pj_connection.html



*This picture shows an example of network connection using optional wireless adapter.

Projector Monitoring and Control from a Remote Location

Hitachi's Projector Management Software (PJMan) gives you the ability to control, diagnose and manage (monitor the status including power, lamp hours, and temperature and air filter conditions) a single or group of Hitachi projectors.

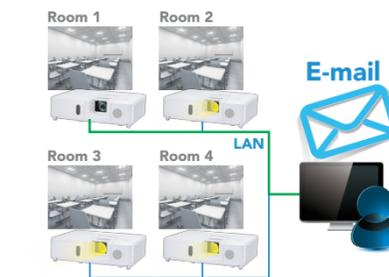


* The software PJMan can be downloaded from the website
<http://www.hitachi-america.us/projectors>
<http://www.hitachidigitalmedia.com/>
<http://www.hitachi.co.jp/proj/en/>

Projectors On

Email Alerts

E-mail notification is sent for routine maintenance and error conditions.



*1 To secure better performance, a wired network is preferable. Required to install the LiveViewer software from the bundled CD-ROM on all the computers. The functions are supported by LiveViewer (Windows® application) only.
*2 Image transfer speed may vary depending on number of projectors connected. *3 Image and audio transfer speed may vary depending on number of computers connected.

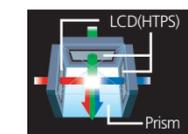
High Reliability

Hybrid Filter

The Hybrid Filter requires less frequent maintenance and cleaning, making 10,000hr of operation possible*.

*This is an estimate of the acceleration test performed under the condition of 50mg/m³ suspension dust concentration using JIS (Japanese Industrial Standards) standard powder. Cleaning intervals vary depending on the use environment.

3LCD chips with Inorganic Alignment Layers



HTPS (High Temperature Poly-Silicon)

These Hitachi LCD projectors incorporate three LCD panels with inorganic alignment layers that are light resistant, increasing brightness and contrast ratio. They provide smooth images and high reliability.