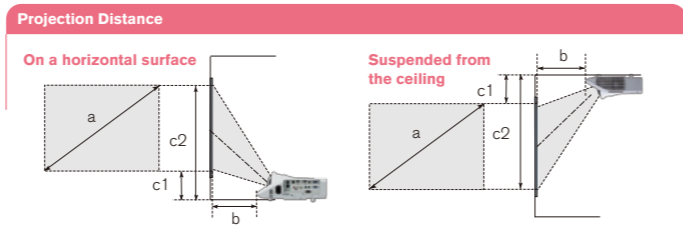
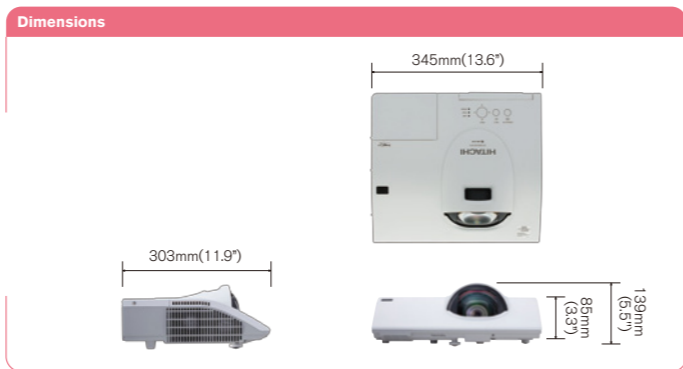


Super-Short Throw Projector

Specifications		
Model name	CP-BW301WN	CP-BX301WN
Display system	3LCD	
Display device	Size of effective display area	0.59", aspect ratio 16:10
	Number of pixels	1,024,000 pixels (1,280 horizontal x 800 vertical)
Lens	Zoom	Digital zoom: x 1.35
	Focus	Manual
Light source	250W	225W
Screen size	60 - 150 inch	
Light output (Brightness)	3,000lm	3,200lm
Contrast ratio	10,000 : 1 (full white / full black)	
Speaker	16W x 1 mono	
Displayable scanning frequency	Horizontal	15 - 106 kHz
	Vertical	50 - 120 Hz
Terminals	COMPUTER IN 1	D-sub 15-pin mini connector x 1
	COMPUTER IN 2 / MONITOR OUT	D-sub 15-pin mini connector x 1
	VIDEO	RCA connector x 1
	HDMI IN	HDMI connector x 2 (HDCP compliant)
	AUDIO IN1	3.5mm stereo mini connector x 1
	AUDIO IN2	RCA connector L / R x 1
	AUDIO OUT	3.5mm stereo mini connector x 1
	Microphone Input	3.5mm mono mini connector x 1
	CONTROL (RS-232C)	D-sub 9-pin connector x 1
	LAN	RJ45 connector x 1
Operating temperature	0 - 40°C	
	35 - 40°C (The brightness of lamp is reduced automatically)	
Operating humidity (RH)	20 - 80%RH (non-condensing)	
Power requirements	AC 100 - 120V (50 / 60Hz) : 3.7A	AC 100 - 120V (50 / 60Hz) : 3.5A
	AC 220 - 240V (50 / 60Hz) : 1.8A	AC 220 - 240V (50 / 60Hz) : 1.7A
Power consumption	AC 100 - 120V : 360W	AC 100 - 120V : 340W
	AC 220 - 240V : 350W	AC 220 - 240V : 320W
Standby mode power consumption	0.35W at saving mode	
Standard outside dimensions (WxHxD)	350mm x 139mm x 305mm (13.8" x 5.5" x 12.0")	
	345mm x 85mm x 303mm (13.6" x 3.2" x 11.9") (Excluding protrusions)	
Weight	approx. 3.7kg (8.2lbs.)	
Accessories	Remote control, AA batteries, Power cord, Computer cable, Lens cover, Strap, User's manuals (Book, CD), Security label, Application CD, Adapter cover	

Environment	
<ul style="list-style-type: none"> ▶ Compliance with EU Directive RoHS¹ ▶ 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 75%², reducing CO₂ emissions during transport. ▶ Power saving mode engaged during standby ▶ Eco mode Eco mode provides power saving. 	<p>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".</p> <p>² Compared to Hitachi CP-A100 ultra short throw projector on the basis of one carton box.</p>

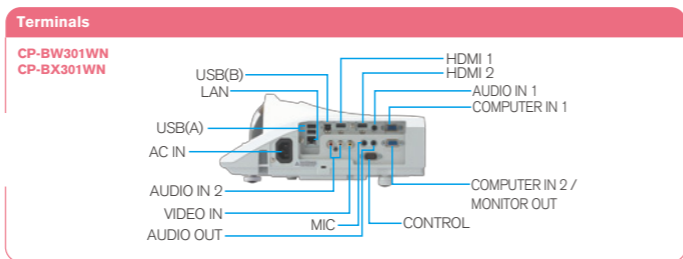


CP-BW301WN (1280 x 800) (±8%)

Screen size (diagonal) type(inch)	Projection distance		Screen height		Screen height	
	a	b	c1	c2	m	inch
60	1.5	0.500	19.7	0.194	7.6	1.002
70	1.8	0.594	23.4	0.216	8.5	1.158
80	2.0	0.688	27.1	0.237	9.3	1.314
90	2.3	0.782	30.8	0.259	10.2	1.470
100	2.5	0.876	34.5	0.280	11.0	1.627
120	3.0	1.064	41.9	0.323	12.7	1.939
150	3.8	1.346	53.0	0.388	15.3	2.407

CP-BX301WN (1024 x 768) (±8%)

Screen size (diagonal) type(inch)	Projection distance		Screen height		Screen height	
	a	b	c1	c2	m	inch
60	1.5	0.468	18.4	0.111	4.4	1.025
70	1.8	0.556	21.9	0.118	4.7	1.185
80	2.0	0.645	25.4	0.126	5.0	1.345
90	2.3	0.734	28.9	0.134	5.3	1.505
100	2.5	0.822	32.4	0.141	5.6	1.665
120	3.0	1.000	39.4	0.156	6.2	1.985
150	3.8	1.266	49.8	0.179	7.1	2.465



- 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]) and cooling fans 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.
- Crestron® and Crestron RoomView® are registered trademarks of Crestron Electronics, Inc. in the United States and other countries.
- 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.
- ImageCare is a trademark or a registered trademark of Royal Philips in the United States and other countries.
- All other trademarks are the properties of their respective owners.



These projectors achieve a projection on a 2m (80") screen at a distance of 64.5cm(25.4")*.



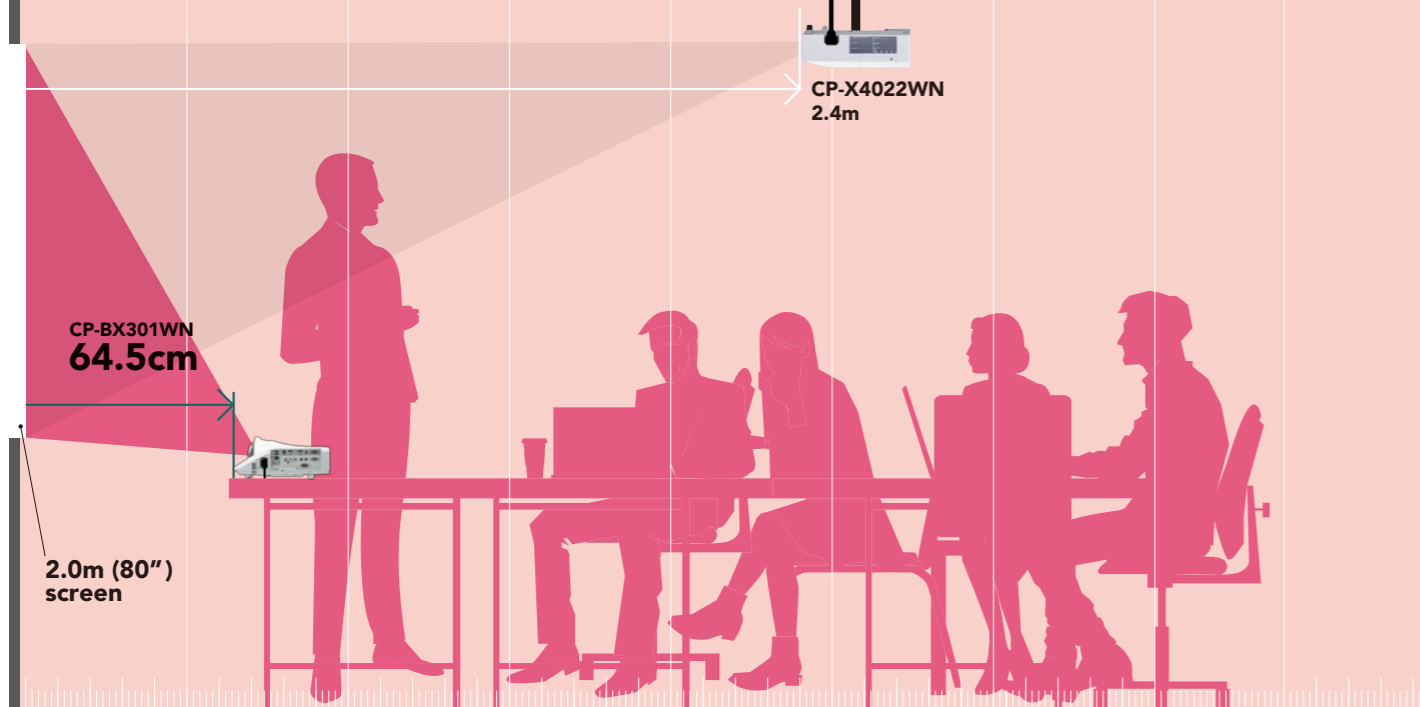
CP-BW301WN
CP-BX301WN

HITACHI

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 Hitachi Maxell, Ltd. 5030 Totsuka-cho, Totsuka-ku Yokohama, 244-0003, Japan http://www.hitachi.co.jp/proj/



*Projected images are simulations



Network Function / Capability

Wireless Capability (Option)

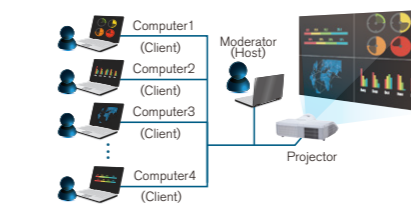
The projectors are capable of a wireless network with the optional USB wireless adapter that supports IEEE802.11b/g/n. You can control the projector with a computer via the network, and also project the screen of the computer.



Network Presentation*1

Moderator Control Mode

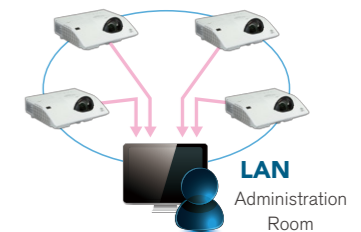
Setting one computer from the multiple computers (up to 50*2) that are connected to the projector as the moderator (host) makes it possible for the moderator to project from all the computers (clients).



*Live Viewer, an application software developed by Hitachi, is required to install to all the computer. Moderator Control is supported by Live Viewer 6 (Windows® application) only. Live Viewer is a software developed by Hitachi, delivered with projector products or via Hitachi homepage, required to install to all the computer in this mode.

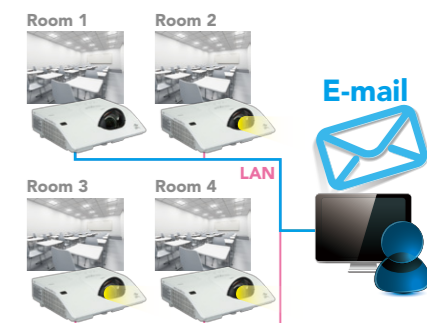
Projector Monitoring and Control

Manage and control multiple projectors over your LAN with Centralized Reporting, Scheduling, E-mail Alerts, and My Image (Image Transfer).



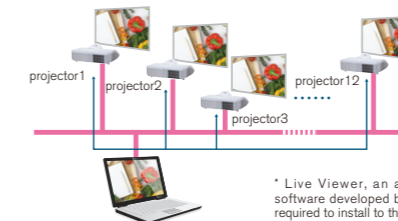
E-mail Alerts

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



Multi Projector Mode

You can project the same image from up to 12*3 projectors simultaneously. This is useful for meetings and lectures in large venues where a single screen would not be sufficient.



* Live Viewer, an application software developed by Hitachi, is required to install to the computer.

Projector Quick Connection, the dedicated free online application software, enables you to project images, documents, and photos, and to control the projector from a tablet or a smartphone.

* See the Hitachi website for details
http://www.hitachi.co.jp/proj/en/apps/pj_connection.html



*1 To secure better performance, a wired network is preferable. *2 Video and audio transfer speed may vary depending on number of computers connected. *3 Video transfer speed may vary depending on number of projectors connected. Note: Required to install the software from the bundled CD-ROM on all the computers in order to transfer the computer screen image to projectors.

ACCENTUALIZER

Hitachi original technology makes pictures look more real by enhancing (1) Shade, (2) Sharpness and (3) Gloss 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.

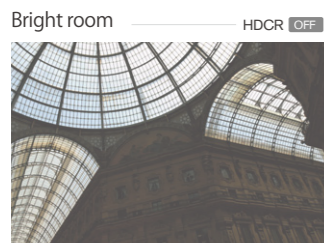


HDCR (High Dynamic Contrast Range)

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 increasing contrast occurs. This results in clear images even in bright rooms.



HDCR OFF



HDCR ON

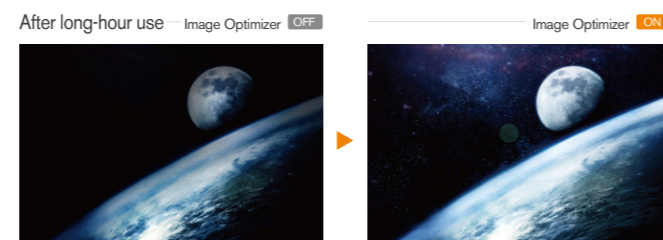
Dark parts are obscure.

Dark parts are clear. (Distinct)

Image Optimizer

Equipped with IMAGE OPTIMIZER, Hitachi's original function that maintains visibility of an image through automatic image correction in accordance with lamp condition.

• This function may not work properly when HDCR/ACCENTUALIZER is ON.



The entire image becomes dark.

Dark parts of the image becomes clear.

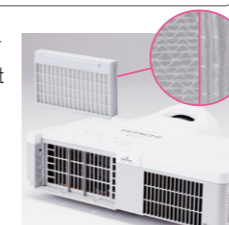
Blackboard / Whiteboard modes

Improve image quality when you project onto a blackboard or whiteboard, ensuring optimum visibility.

Other Features

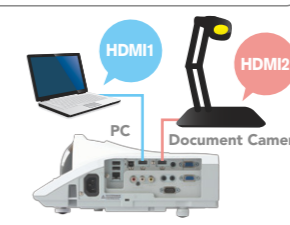
Hybrid Filter

The Hybrid Filter requires less frequent maintenance and cleaning, making longer operation possible.



2 HDMI inputs

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



Easy Schedule Setting

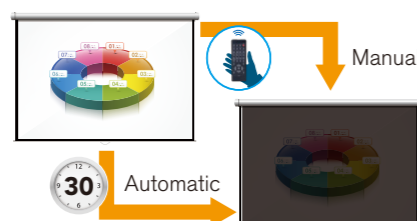
You can schedule routine and special projector events, including power on, power off, input selection and other settings.

EVENT SCHEDULE	
MONDAY to FRIDAY	
08:00	POWER ON
12:30	INPUTSOURCE COMPUTER IN 1
17:00	POWER OFF

Go Green

Saver Mode

This feature developed by Hitachi, based on ImageCare® technology, reduces the lamp brightness and consumption power, resulting in considerable energy savings. The saver mode automatically activates when the projected image does not change in the preset time (1 to 30 minutes). You can also activate the saver mode manually with the remote controller.



Intelligent Eco Mode

This feature developed by Hitachi, based on ImageCare® technology, automatically changes the lamp brightness according to the input signal level. The lamp brightness is reduced when a darker image is projected, and returns to normal when a brighter image is projected, eliminating unnecessary energy consumption from the lamp.

Mic. Input and 16W Internal Speaker

The projectors are equipped with a microphone input, so you can use microphone system even when the projector is in standby*. Projectors have a built-in 16-watt speaker.
 * Not available when STANDBY MODE is SAVING.

USB Display

Connecting the USB type B connector of the projector to a computer via a USB cable lets you quickly and easily display images with sounds transferred from the computer.

More Convenient Functions

Digital Zoom, Digital Shift, Direct Power On / Off, Template, Input Source Naming, Auto Signal Search, PIN Lock System, Security Bar / Security Slot, Keypad Lock, MyScreen