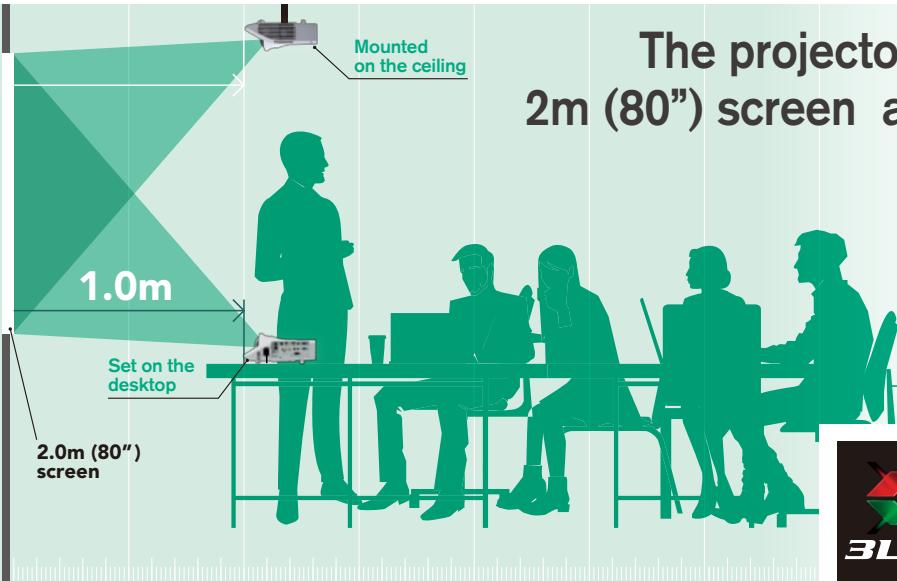


# Super-Short Throw Projector

# HITACHI

Inspire the Next



The projector achieves a projection on a 2m (80") screen at a distance of 1.0m(39.6").



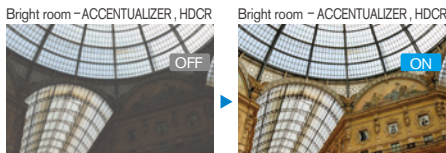
**CP-CW302WN WXGA 3,100lm**



## High Image Quality

### ACCENTUALIZER and HDCR

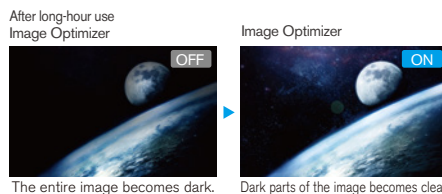
ACCENTUALIZER makes pictures look more real by enhancing shade, sharpness, and gloss, to make pictures clearer. The HDCR function corrects blurred images caused by room lighting or outside light sources and creates an effect similar to increasing contrast resulting in clear images even in bright rooms.



### Image Optimizer

Equipped with IMAGE OPTIMIZER, Hitachi's original function 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.

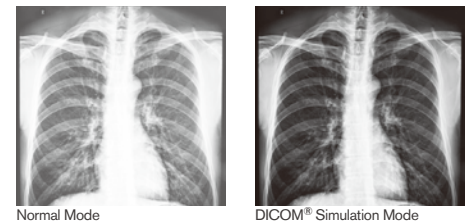


### DICOM® Simulation Mode

This mode is ideal for viewing grayscale medical images, such as X-rays, for training and educational purposes.

• This projector is not a medical device and is not compliant with the DICOM® standard, and neither the projector nor the DICOM® Simulation Mode should be used for medical diagnosis.

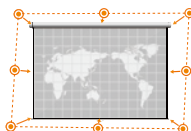
• Comparison photos are simulations.



## Convenient Features

### Perfect fit

Equipped with Perfect fit with which the position 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 and barrel.



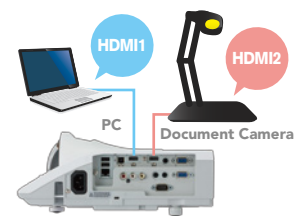
### Hybrid Filter

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.



### Mic. Input and 16W Internal Speaker

This projector is equipped with a microphone input, so you can use microphone system even when the projector is in standby\*. The projector has a built-in 16-watt speaker.

\* Not available when STANDBY MODE is SAVING.

### Network function

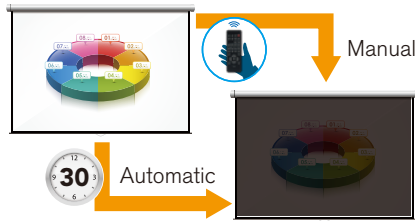
You can not only manage and control multiple projectors over your LAN with Centralized Reporting, Scheduling, E-mail Alerts, etc., but also project computer images transmitted through a network. The optional USB wireless adapter supporting IEEE802.11b/g/n enables a wireless network connection.

### Other Useful 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, PC-LESS Presentation, USB Display, Easy Schedule Setting

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.

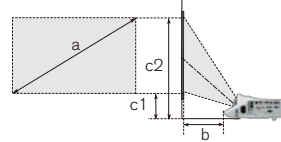
Specifications	
Model name	CP-CW302WN
Display system	3LCD
Display device	Size of effective display area 0.59", aspect ratio 16 : 10 Number of pixels 1,024,000 pixels (1,280 horizontal x 800 vertical)
Lens	Zoom Digital zoom : x 1.35 Focus Manual
Light source	225W lamp
Screen size	60 - 150inch
Light output (Brightness)	3,100lm
Contrast ratio (full white/full black)	16,000 : 1
Speaker	16W x 1 mono
Displayable scanning frequency	Horizontal 15 - 106kHz Vertical 50 - 120Hz
Display resolution	Computer signal input VGA, SVGA, XGA, WXGA, SXGA, UXGA, Full HD, Mac 16" Video signal input NTSC, NTSC4.43, 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 D-sub 15-pin mini connector x 1 COMPUTER IN 2 / MONITOR OUT D-sub 15-pin mini connector x 1 VIDEO IN RCA connector x 1 HDMI 1 / 2 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 MIC 3.5mm mono mini connector x 1 CONTROL(RS-232C) D-sub 9-pin connector x 1 LAN RJ45 connector x 1 USB TYPE A USB type A x 2 (PC less Presentation or wireless adapter) USB TYPE B USB type B x 1 (USB display and USB mouse control)
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) : 3.5A AC 220 - 240V (50 / 60Hz) : 1.7A
Power consumption	AC 100 - 120V : 340W AC 120 - 240V : 320W
Standby mode power consumption	0.35W at saving mode *Available functions are limited.
Standard outside dimensions (WxHxD)	350mm x 134mm x 305mm (13.8" x 5.3" x 12.0") (Including protrusions) 345mm x 85mm x 303mm (13.6" x 3.3" x 11.9") (Excluding protrusions)
Weight	approx. 3.6kg (7.9lbs)
Accessories	Remote control, AA batteries, Power cord, Computer cable, Lens cover, Strap, User's manuals (Book, CD), Security label, Application CD, Adapter cover
Option Parts	Lamp: DT01511 Mounting accessory: Filter set: UX37191 HAS-AW100 (Bracket for ceiling mount) USB wirelessless adapter: USB-WL-11N HAS-203L (Fixing adapter for low ceilings) HAS-P100 (Fixing adapter for high ceilings)

Dimensions

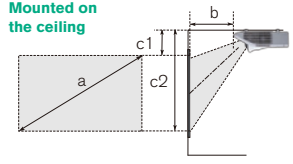


Projection Distance

On a horizontal surface



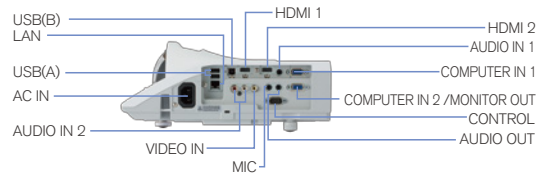
Mounted on the ceiling



(1280 x 800) (±8%)

Screen size (diagonal)	Projection distance		Screen height		Screen height		
	a	b	c1	c2	m	inch	
type(inch)	m	m	inch	m	inch	m	inch
60	1.5	0.735	28.9	0.242	9.5	1.050	41.3
70	1.8	0.870	34.3	0.272	10.7	1.214	47.8
80	2.0	1.006	39.6	0.302	11.9	1.379	54.3
90	2.3	1.141	44.9	0.331	13.0	1.543	60.7
100	2.5	1.276	50.2	0.361	14.2	1.707	67.2
120	3.0	1.547	60.9	0.420	16.5	2.035	80.1
150	3.8	1.953	76.9	0.508	20.0	2.528	99.5

Terminals



Environment

- Compliance with EU Directive RoHS<sup>\*1</sup>
- Reduction of resin usage in production  
Use of hot runners in molds for making upper housing in order to reduce mill ends.
- Reduction of CO<sub>2</sub> emissions  
Carton volume has been cut down to 75%<sup>\*2</sup>, reducing CO<sub>2</sub> emissions during transport.
- Power saving mode engaged during standby
- Eco mode  
Eco mode provides power saving.

<sup>\*1</sup> 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".  
<sup>\*2</sup> Compared to Hitachi CP-A100 ultra short throw projector on the basis of one carton box.

—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 Connected and the Crestron Connected Logo are registered trademarks of Crestron Electronics.
- DICOM® is the registered trademark of the National Electrical Manufacturers Association for its standards publications relating to digital communications of medical information.
- 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.
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