

→ CP-CW250WN  
CP-CW300WN  
CP-CX300WN  
CP-CX250

## Super-Short Throw Projector

Specifications				
Model name	CP-CW250WN	CP-CW300WN	CP-CX300WN	CP-CX250
Product name	Liquid crystal projector			
Liquid Crystal Panel	1,024,000 pixels (1280 horizontal x 800 vertical)		786,432 pixels (1024 horizontal x 768 vertical)	
Light source	225W UHP			
Screen size	60 to 150 inch			
Light output (brightness)	2600lm	3100lm	3100lm	2500lm
Contrast ratio (Presentation mode)	3000:1			2000:1
Speaker	10W mono	10W mono	10W mono	1W mono
Ports	<b>Computer input port</b> COMPUTER IN1: D-sub 15 pin mini x1 COMPUTER IN2: D-sub 15 pin mini x1 <b>Computer output port</b> MONITOR OUT: D-sub 15 pin mini x1 <b>Video input port</b> S-VIDEO: mini DIN 4 pin x1 VIDEO: RCA x1 <b>HDMI input port</b> HDMI: HDMI connector x1 <b>Audio input/output port</b> AUDIO IN1: Stereo mini x1 AUDIO IN2: Stereo mini x1 AUDIO IN3 (R,L): RCA x2 AUDIO OUT (R,L): RCA x2 <b>Others</b> USB TYPE A: USB-Av2 USB TYPE B: USB-Bx1 CONTROL: D-sub 9 pin x1 LAN: RJ45 x1 <b>Computer input port</b> COMPUTER IN1: D-sub 15 pin mini x1 COMPUTER IN2: D-sub 15 pin mini x1 <b>Computer output port</b> MONITOR OUT: D-sub 15 pin mini x1 <b>Video input port</b> S-VIDEO: mini DIN 4 pin x1 VIDEO: RCA x1 <b>Audio input/output port</b> AUDIO IN (R,L): RCA x2 AUDIO OUT (R,L): RCA x2 <b>Others</b> USB TYPE B: USB-Bx1 CONTROL: D-sub 9 pin x1			
Operating temperature range	0 ~ 40°C 35 ~ 40°C (The brightness of the lamp is reduced automatically.)			
Power requirements	AC 100-120V/32A AC 220-240V/1.6A		AC 100-120V/3.1A AC 220-240V/1.5A	
Maximum power consumption	AC100-120V: 320W AC220-240V: 300W		AC100-120V: 300W AC220-240V: 290W	
Standby mode power consumption	0.35W			
Standard outside dimensions(WxHxD)	350 x 134 x 303mm (13.8" x 5.3" x 11.9") 345 x 85 x 303mm (13.6" x 3.3" x 11.9") (Not including protruding parts.)			
Weight (mass)	approx. 3.6 kg (7.9lbs)		approx. 3.4 kg (7.5lbs)	
Accessory	Remote control with two AA batteries, Power cord, Computer cable, Lens cover and strap, User's manual (Book and CD), Security label Application CD, Adapter cover			
Optional parts	Lamp: DT01511; Filter set: UX37191; Mounting accessory: HAS-AW100 (Bracket for ceiling mount), HAS-203L (Fixing adaptor for low ceilings), HAS-P100 (Fixing adaptor for high ceilings) USB wireless adapter: USB-WL-11N			

\* This port functions both as COMPUTER IN2 and MONITOR OUT.

### 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 96.2%<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-D31N network capable 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]) 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.
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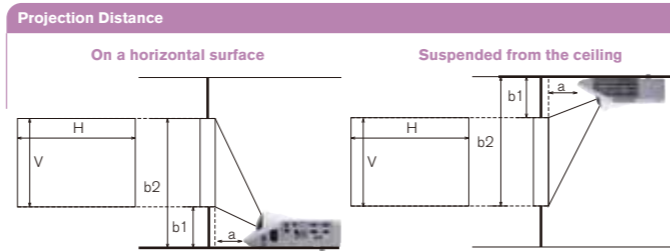
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900 Hitachi Way, Chula Vista, CA 91914-3556, U.S.A. and Canada Tel: +1-800-225-1741 www.hitachi-america.us/digitalmedia  
438A Alexandra Road #01-01/02/03, Alexandra Technopark, 119967, Singapore Tel: +65-6536-2520 www.hitachiconsumer.com.sg  
Lot 12, Jalan Kemajuan, Bangi Industrial Estate, 43650 Bandar Baru Bangi, Selangor Darul Ehsan, Malaysia Tel: +60-3-8911-2670 www.hitachiconsumer.com.my  
994, 996 Soi Thonglor, Sukhumvit 55 Road, Klongtonnu, Vadhana Bangkok 10110, Thailand Tel: +66-2381-8381-98 www.hitachi-th.com  
18th Floor, Ever Gain Centre, 28 On Muk Street, Shatin, N.T., Hong Kong Tel: +852-2113-8883 www.hitachi-hk.com.hk  
2nd Floor, No.65, Nanking East Road, Section 3, Taipei 104, Taiwan Tel: +886-2-2516-0500 www.hsct.com.tw  
Suite 801, Level 8, 123 Epping Road, North Ryde NSW 2113, Australia Tel: +61-2-9888-4100 www.hitachi.com.au  
Whitebrook Park, Lower Cookham Road, Maidenhead, Berkshire, SL6 8YA, UK Tel: +44-1628-585000 www.hitachidigitalmedia.com

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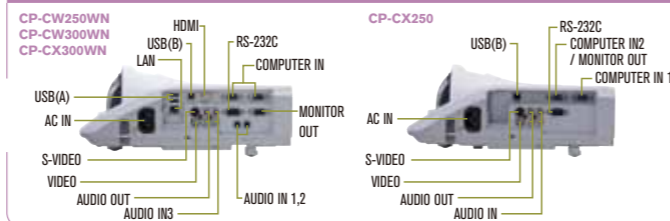
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Inspire the Next



Screen type	CP-CW250WN		CP-CW300WN		CP-CX300WN				CP-CX250								
	Screen size		Projection distance		Screen height		Screen height		Screen size		Projection distance		Screen height				
	H	V	a		b1		b2		H	V	a		b1		b2		
inch	m	m	m	inch	m	inch	m	inch	m	m	m	inch	m	inch	m	inch	
60	1.3	0.8	0.735	28.9	0.242	9.5	1.050	41.3	60	1.2	0.9	0.691	27.2	0.155	6.1	1.069	42.1
70	1.5	0.9	0.870	34.3	0.272	10.7	1.214	47.8	70	1.4	1.1	0.818	32.2	0.171	6.7	1.237	48.7
80	1.7	1.1	1.006	39.6	0.302	11.9	1.379	54.3	80	1.6	1.2	0.946	37.2	0.186	7.3	1.405	55.3
90	1.9	1.2	1.141	44.9	0.331	13.0	1.543	60.7	90	1.8	1.4	1.073	42.3	0.202	7.9	1.573	61.9
100	2.2	1.3	1.276	50.2	0.361	14.2	1.707	67.2	100	2.0	1.5	1.201	47.3	0.217	8.6	1.741	68.6
120	2.6	1.6	1.547	60.9	0.420	16.5	2.035	80.1	120	2.4	1.8	1.456	57.3	0.249	9.8	2.077	81.8
150	3.2	2.0	1.953	76.9	0.508	20.0	2.528	99.5	150	3.0	2.3	1.838	72.4	0.295	11.6	2.581	101.6

Screen type	CP-CX300WN		CP-CW300WN		CP-CX250			
	Screen size		Projection distance		Screen height		Screen height	
	H	V	a		b1		b2	
inch	m	m	m	inch	m	inch	m	inch
60	1.2	0.9	0.691	27.2	0.155	6.1	1.069	42.1
70	1.4	1.1	0.818	32.2	0.171	6.7	1.237	48.7
80	1.6	1.2	0.946	37.2	0.186	7.3	1.405	55.3
90	1.8	1.4	1.073	42.3	0.202	7.9	1.573	61.9
100	2.0	1.5	1.201	47.3	0.217	8.6	1.741	68.6
120	2.4	1.8	1.456	57.3	0.249	9.8	2.077	81.8
150	3.0	2.3	1.838	72.4	0.295	11.6	2.581	101.6

### Terminals



These projectors achieve a projection on an 2m (80") interactive whiteboard at a throw distance of 95cm(37")\*.

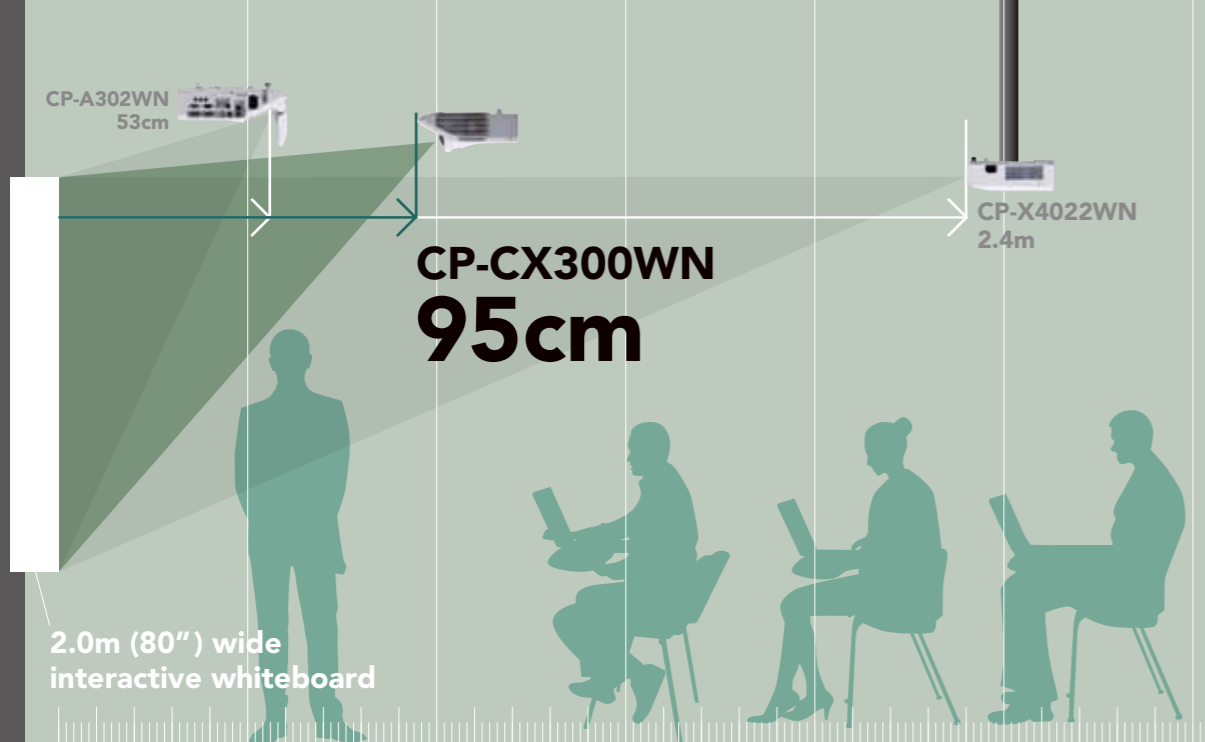
\* CP-CX300WN/CP-CX250



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\*Projected images are simulations



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CP-CW250WN	CP-CW300WN	CP-CX300WN	CP-CX250
WXGA 2600lm	WXGA 3100lm	XGA 3100lm	XGA 2500lm
Throw distance : 101cm (40") Screen size : 2.0m (80inch type)	Throw distance : 101cm (40") Screen size : 2.0m (80inch type)	Throw distance : 95cm (37") Screen size : 2.0m (80inch type)	Throw distance : 95cm (37") Screen size : 2.0m (80inch type)

## Short Throw Length

These projectors achieve a projection on an 2.0m (80") interactive whiteboard at a throw distance of only 95cm\*(37"). Since they can project a large image from directly in front of an interactive whiteboard, teachers can conduct enjoyable lessons effectively using limited classroom space. Students can concentrate on lessons without being distracted by the projector's light source, or the teacher's shadow cast on the screen.

\*CP-CX300WN/CP-CX250

## Hybrid Filter

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



## HDMI® Terminal and 2 USB Type A Inputs\*

These projectors provide two USB Type A inputs. This makes it possible to use the optional USB wireless adapter and other USB devices. There is also an HDMI terminal allowing you to connect compatible devices to the projectors.

\*On CP-CW250WN/CP-CW300WN/CP-CX300WN models



## Saver Mode

Saver mode is a feature developed by Hitachi, based on ImageCare® technology, that reduces the projector lamp brightness and consumption power, resulting in considerable energy savings. You can set the Saver mode time 1 to 30 minutes, and if the projected image does not change in that time, Saver mode activates. Saver mode can also be activated manually.

## Intelligent Eco Mode

Intelligent Eco mode is a feature developed by Hitachi, based on ImageCare technology, that automatically changes the brightness of the lamp according to the level of the input signal. 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.



Normal mode Saver Mode

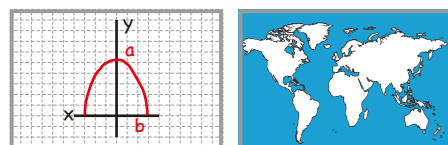


Lamp becomes darker Lamp becomes brighter

## Template Function\*

The Template Function equipped in these projectors projects pre-installed templates on a whiteboard, blackboard, or other surface. Templates include a line template to make writing on a board easier, a grid template, a world map, and more.

\*Patent pending



Black lines on a white grid World map



Black lines on a white background Circles

## Easy Maintenance

The lamp door is on the top and the filter cover is on the back, so maintenance and replacement of these parts can be done easily.



## High Brightness of 3100 Lumens\*

\*On CP-CW300WN/CP-CX300WN models

## 3000:1 High Contrast Ratio

\*On CP-CW250WN/CP-CW300WN/CP-CX300WN models

## 10W Internal Speaker

These projectors have a built-in 10W high power speaker.

\*On CP-CW250WN/CP-CW300WN/CP-CX300WN models



## Network Function / Capability \*On CP-CW250WN/CP-CW300WN/CP-CX300WN models

### Smart Device Control\*

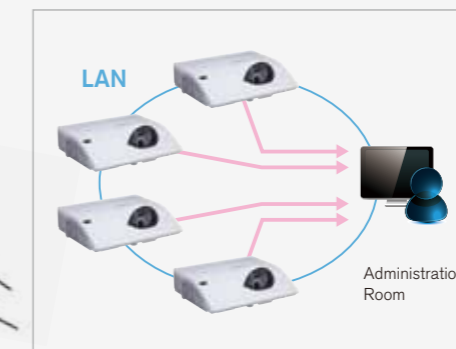
Plugging the USB wireless adapter to the projector and using the dedicated application developed by Hitachi, projectors can be controlled from a tablet or smartphone.\*



\*See the Hitachi website for details  
[http://www.hitachi.co.jp/proj/en/apps/pj\\_connection.html](http://www.hitachi.co.jp/proj/en/apps/pj_connection.html)

### Centralized Reporting

With just one PC in an administration room, you can collect reports from all projectors connected to the network.



### Wireless Capability

You can use a wireless network by connecting the projector to a computer using the optional USB wireless adapter. The adapter supports IEEE802.11 b/g/n.

