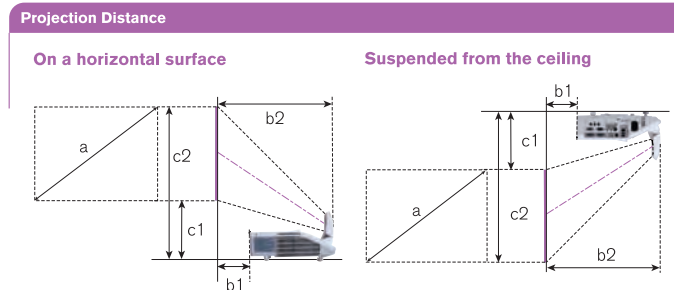


→ CP-AW312WN/CP-AW312WNM
CP-A352WN/CP-A352WNM

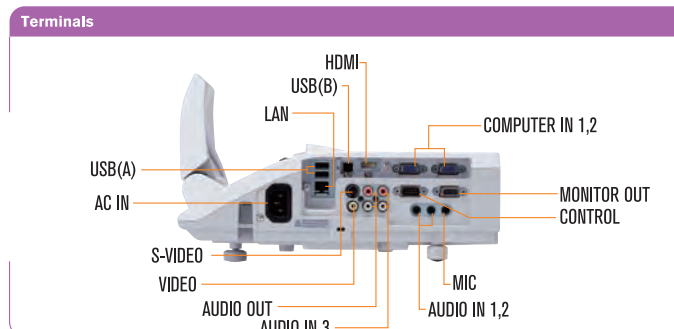
Ultimate-Short Throw Projectors

Specifications		
Model name	CP-AW312WN/CP-AW312WNM	CP-A352WN/CP-A352WNM
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)
Lamp	250W (with ImageCare technology)	250W (with ImageCare technology)
Light output (brightness)	3000lm	3500lm
Contrast ratio	4000:1 (Presentation mode)	
Speaker	16W mono	
Power supply	AC100-120V/220-240V, auto switching	
Power consumption (Operation)	100-120V:370W 200-240V:350W	
Temperature range (Operating)	0 - 40 degrees (When the ambient temperature is around 35 to 40°C, the brightness of lamp is reduced automatically.)	
Dimensions(WxHxD)	345 x 85 x 303mm (13.6" x 3.3" x 11.9") * Not including protruding parts.	
Weight (mass)	approx. 3.8kg (8.5lbs)	
Ports	Computer input port COMPUTER IN1: D-sub 15 pin mini x1 COMPUTER IN2: D-sub 15 pin mini x1 Computer output port MONITOR OUT: D-sub 15 pin mini x1 Video input port S-VIDEO: mini DIN 4 pin x1 VIDEO: RCA x1 HDMI input port HDMI: HDMI connector x1 Audio input/output port AUDIO IN1: Stereo mini x1 AUDIO IN2: Stereo mini x1 AUDIO IN3 (R, L): RCA x2 AUDIO OUT (R, L): RCA x2 Others USB TYPE A: USB-Ax2 USB TYPE B: USB-Bx1 CONTROL: D-sub 9 pin x1 LAN: RJ45 x1 MIC: Mono mini x1	
Optional parts	Lamp: DT01411 <CP-A352WN/CP-AW312WN> 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) HAS-K252 (Wall mount unit) Tabletop use kit: TT-251 Laser remote control: RC-R008 USB wirelessless adapter: USB-WL-11N Wall mount unit (HAS-K252) and user's manual * For more information, please consult your dealer. * Wall mount unit (HAS-K252): included with CP-AW312WNM/CP-A352WNM	



CP-AW312WN/CP-AW312WNM		16:10		(1280X800) (±8%)	
Screen size		Projection distance		Screen height	
a		b1	b2	c1	c2
(inch)	m	inch	inch	inch	inch
60	1.5	0.120	4.7	0.295	11.6
70	1.8	0.188	7.4	0.332	13.1
80	2.0	0.256	10.1	0.369	14.5
90	2.3	0.324	12.8	0.407	16.0
100	2.5	0.392	15.4	0.444	17.5

CP-A352WN/CP-A352WNM		4:3		(1024X768) (±8%)	
Screen size		Projection distance		Screen height	
a		b1	b2	c1	c2
(inch)	m	inch	inch	inch	inch
60	1.5	0.096	3.8	0.281	11.1
70	1.8	0.161	6.3	0.317	12.5
80	2.0	0.225	8.9	0.352	13.9
90	2.3	0.289	11.4	0.387	15.2
100	2.5	0.353	13.9	0.423	16.6



Environment
► Compliance with EU Directive RoHS^{*1} ► 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 40%(CP-AW312WN/CP-A352WN) ^{*2} , reducing CO ₂ emissions during transport. ► 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". ^{*2} 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)) 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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NM-E383 032013

Ultimate-Short Throw Projectors

HITACHI
Inspire the Next



Projectors that achieve
a projection of 2m (80") wide screen
at a short throw distance and
offer multiple mounting positions.



CP-AW312WN/CP-AW312WNM
CP-A352WN/CP-A352WNM



*Projected images are simulations



Saver Mode Based on ImageCare® Technology

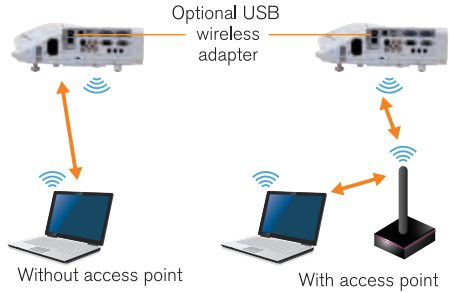
Saver mode is a feature developed by Hitachi that reduces the projector lamp brightness and consumption power, resulting in considerable energy savings. You can set the Saver mode time 1 to 30 minutes, and if the projected image does not change in that time, Saver mode activates. Saver mode can also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



Normal mode Saver Mode

Wireless Capability (Option)

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.



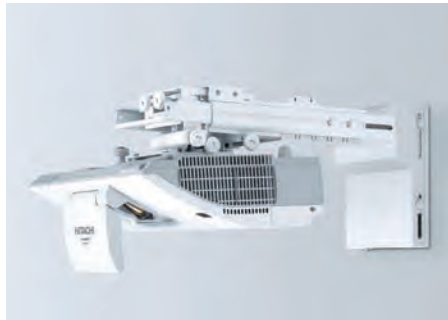
Reduced Glare and Shadows

These projectors feature Ultimate Short Throw, for projecting a 2m (80 inches) wide image from only 56.2cm (22.1 inches) onto a wall or whiteboard. Ultimate Short Throw greatly reduces glare from the projector's light source, making it easier for the teacher or presenter to see the audience. The audience also has a clearer view because the shadows from the teacher's or presenter's hands and body are minimized. The result is a better classroom or meeting room experience for everyone.

Precision Control Wall Mount Unit*

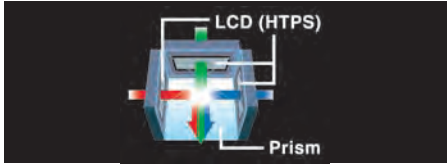
The wall mount unit ensures that the projector can be installed in exactly the right position. The entire unit slides horizontally, and fine adjustments can be made to each axis independently.

* Wall mount unit (HAS-K252): included with CP-AW312WNM/CP-A352WNM



3 LCD chips with Inorganic Alignment Layers

These projectors incorporate three LCD panels with inorganic alignment layers that are extremely light resistant, increasing brightness and contrast ratio.

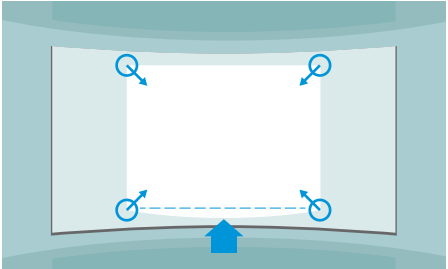


16W Internal Speaker

The projectors have a built-in 16W speaker.

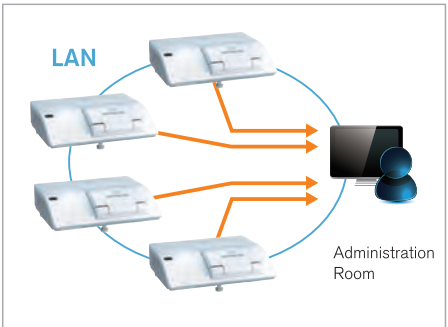
Perfect Fit

Perfect Fit allows you to make image adjustments by independently moving the individual corners and sides. Ideal for complex installations where sizing screen to image display is more difficult.



Centralized Reporting

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



Smart Device Control

Plugging the USB wireless adapter to either of two USB Type A inputs of the projector and using Projector Quick Connection, the dedicated application software 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

Easy Maintenance

The Hybrid Filter has an electrostatic design with hybrid protection filter layers, protecting the optics from dust, dirt and chalk particles. It also has a longer life than previous filters, so the projector requires less frequent maintenance.



Hybrid Filter

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



Tabletop Use

The optional tabletop use kit (TT-251) allows the projector to be used vertically. You can project a 1.5m(60 inch) image down onto a table.



Hardware and software requirements for network capability OS: One of the following. Windows® XP Home Edition/Professional Edition (32bit version only), Windows Vista® Home Basic/Home Premium/Business/Ultimate/Enterprise, Windows® 7 Starter/Home Basic/Home Premium/Professional/Ultimate/Enterprise **CPU:** Pentium®4 (2.8GHz or higher) **Graphic card:** 16bit, XGA or higher (When using the "Live Viewer" it is recommended that the display resolution of your computer be set to 1024x768.) **Memory:** 512 MB or higher **Hard disk space:** 100MB or higher **Web browser:** Internet Explorer®6.0 or higher **CD-ROM drive**
*If many computers are connected to the network or the connected computer is under excessive load, higher specifications may be required.