

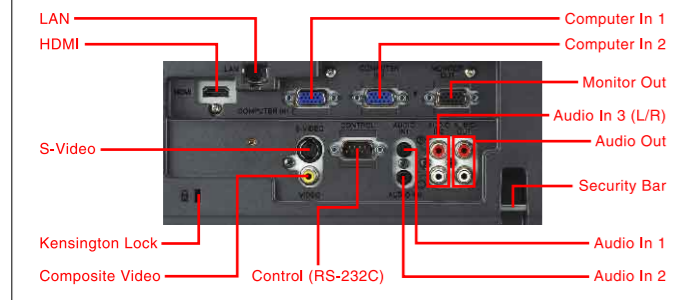
SPECIFICATIONS

Model name	CP-AW100N
Liquid crystal panel	0.59 type (inch), 1.5cm polysilicon active-matrix TFT x 3
Number of pixels	1,024,000 pixels (H1,280 x V800)
Resolution	1,280 x 800 color pixels (WXGA)
Digital zoom	x1.3
Lamp	180W UHB
Light output (brightness)	2,000 Lumens
Contrast ratio	400:1
Audio	10W
Keystone correction	Manual Vertical Keystone
Power supply	AC100-120V/AC220-240V
Operating temperature	5-35°C (41-95°F)
Input signals	Computer input: VGA, SVGA, XGA, WXGA, SXGA, SXGA+, UXGA, MAC16" Video input: NTSC, NTSC4.43, PAL, SECAM, M-PAL, N-PAL, PAL (60Hz) HDTV: 720p@50/60, 1080i@50/60, 1080p@50/60 SDTV: 480i, 480p, 576i, 576p
Input/output terminals	Video input: S-Video: Mini Din 4-pin x 1, Composite video: RCA jack x 1 Component video: via D-sub x 2 Audio input: Stereo Mini jack x 2, RCA jack x 2 (L/R) Computer input: Analog RGB: 15-pin Mini-Dsub x 2 HDMI input: HDMI x 1 Audio output: RCA jack x 2 (L/R) Monitor output: Analog RGB: 15-pin Mini-Dsub x 1 Control: 9-pin Dsub x 1 for RS232C Wired network (LAN): RJ-45 x 1
Agency certifications	UL/cUL, FCC Part15 class B, AS/NZS CISPR22 class B, CE, RoHS, GOST-R
Dimensions (WxHxD)	333 x 118 x 303mm (13.11" x 4.65" x 11.93") [excluding protruding part, when mirror is closed.]
Weight	4.8kg (10.6 lbs.)
Standard accessories	Computer cable, Remote Control, Batteries, Cable cover, Power cord, User's manual, Security label
Optional accessories	Lamp: DT01091, Filter set: UX35971, Laser remote control: RC-R008

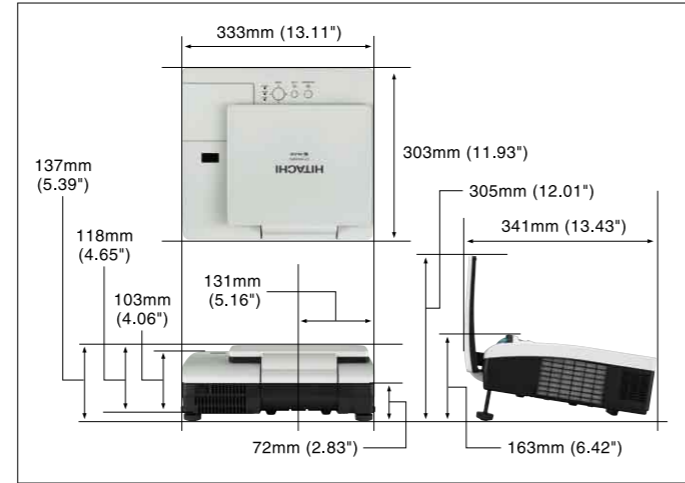
Cable cover



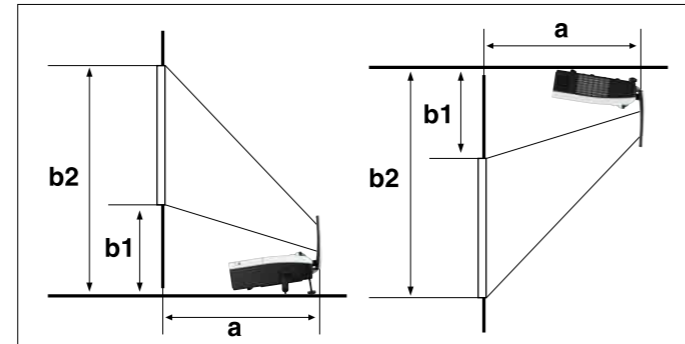
TERMINALS



DIMENSIONS



PROJECTION DISTANCE



Screen Size (16:10 Screen)	a	b1	b2
60 type (inch), 1.5m	59.2cm (23")	31.6cm (12")	112.4cm (44")
70 type (inch), 1.8m	70.5cm (28")	34.9cm (14")	129.2cm (51")
80 type (inch), 2.0m	81.9cm (32")	38.3cm (15")	146.0cm (57")
90 type (inch), 2.3m	93.3cm (37")	41.6cm (16")	162.7cm (64")
100 type (inch), 2.5m	104.6cm (41")	44.9cm (18")	179.5cm (71")

* Manufacturer's recommended size is 60 type (inch), 1.5m – 100 type (inch), 2.5m.
• Tolerance ±8% (for projection distance a)
• Final specifications may vary slightly.

Consideration for the Environment

Compliance with EU Directive RoHS*1

*1 RoHS is the acronym of "DIRECTIVE 2002/95/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 27 January 2003 on the restriction of the use of certain hazardous substances in electrical and electronic equipment".

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*2

Carton size has been reduced, allowing approximately 1.8 times as many cartons to be carried with each load, reducing CO₂ emissions during transport.

*2 Compared to Hitachi CP-A100 ultra-short throw projector on the basis of the same pallet size.

Power saving mode engaged during stand-by

ECO mode

ECO mode provides power saving.

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 projector'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.
- 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.



Hitachi Consumer Electronics Co., Ltd.
has received ISO 14001 certification.

HITACHI

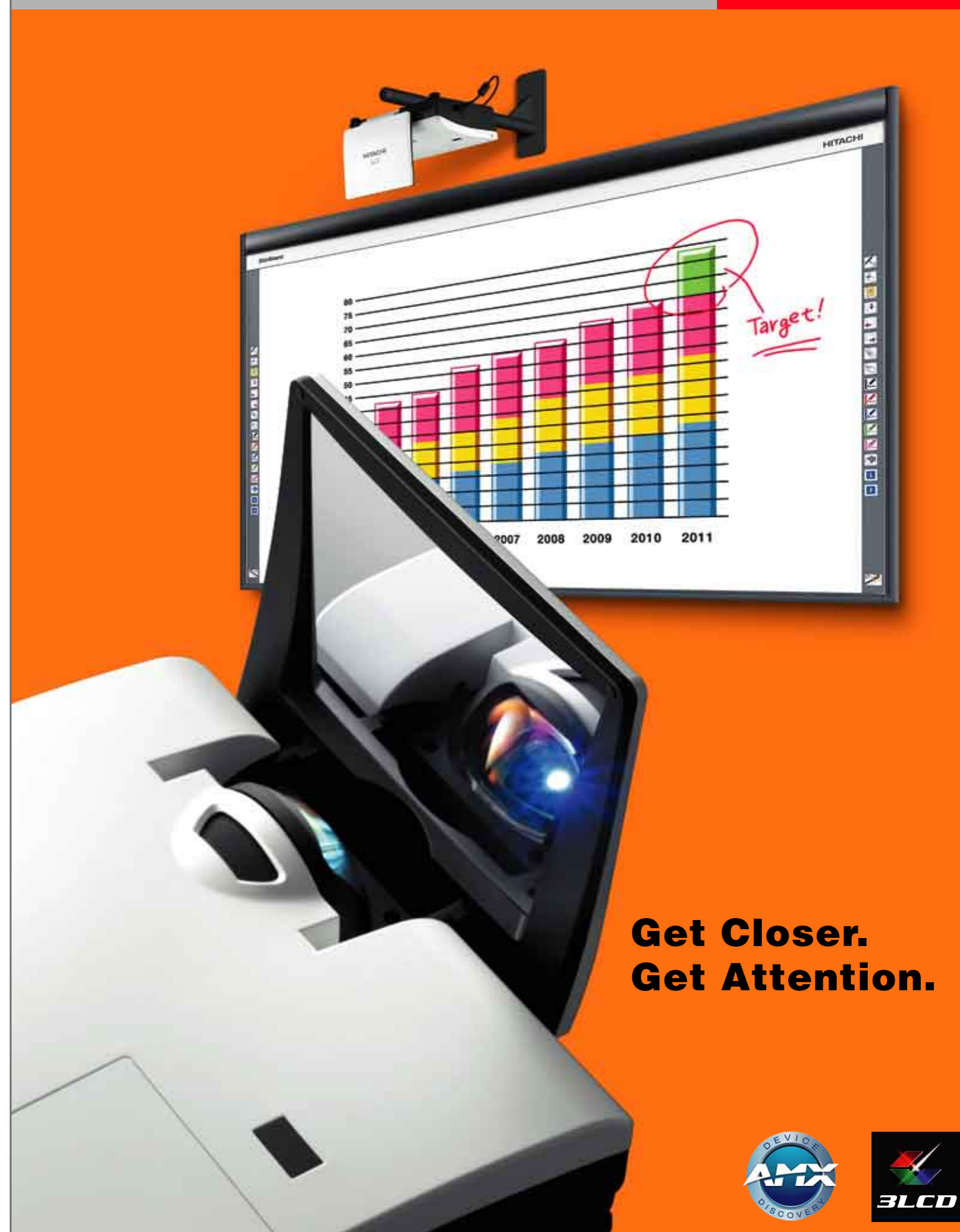
Hitachi America, Ltd., Digital Media Division, Business Solutions Group 900 Hitachi Way, Chula Vista, CA 91914-3556, U.S.A. and Canada
Tel: +1-800-HITACHI Fax: +1-619-591-5418 www.hitachi-america.us/digitalmedia
Hitachi Home Electronics Asia (S) Pte. Ltd. 438A Alexandra Road #01-01/02/03, Alexandra Technopark, Singapore 119967
Tel: +65-6536-2520 Fax: +65-6536-2521 www.hitachiconsumer.com.sg
Hitachi Sales (Malaysia) Sdn. Berhad (11543-V) Lot 12, Jalan Kemajuan, Bangi Industrial Estate, 43650 Bandar Baru Bangi, Selangor Darul Ehsan, Malaysia.
Tel: +60-3-8926-4168 Fax: +60-3-8926-3013 www.hitachiconsumer.com.my
Hitachi Sales (Thailand), Ltd. 994 Soi Thonglor, Sukhumvit 55 Road, Klongtonnua, Vadhana Bangkok 10110, Thailand
Tel: +66-2381-8381-98 Fax: +66-2381-0210/2381-0021 www.hitachi-th.com
Hitachi (Hong Kong), Ltd. 18th Floor, Ever Gain Centre, 28 On Muk Street, Shatin, N.T., Hong Kong Tel: +852-2113-8883 Fax: +852-2783-4178 www.hitachi-hk.com.hk
Hitachi Sales Corp. of Taiwan 2nd Floor, No.65, Nanking East Road, Section 3, Taipei 104, Taiwan Tel: +886-2-2516-0500 Fax: +886-2-2516-1501 www.hsct.com.tw
Hitachi Australia Pty Ltd. Level 3, 82 Waterloo Road, North Ryde, NSW 2113, Australia Tel: +61-2-9888-4100 Fax: +61-2-9888-4188 www.hitachi.com.au
Hitachi Europe Ltd. Whitebrook Park, Lower Cookham Road, Maidenhead, Berkshire, SL6 8YA, UK Tel: +44-1628-585000 Fax: +44-1628-643404 www.hitachidigitalmedia.com

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WXGA Ultra-Short Throw LCD Projector

CP-AW100N

HITACHI
Inspire the Next



**Get Closer.
Get Attention.**

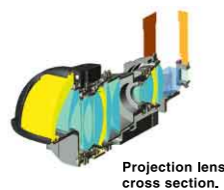


Capable of projecting onto an 88 type (inch), 223.5cm wide interactive whiteboard, this ultra-short throw projector is highly effective and versatile.

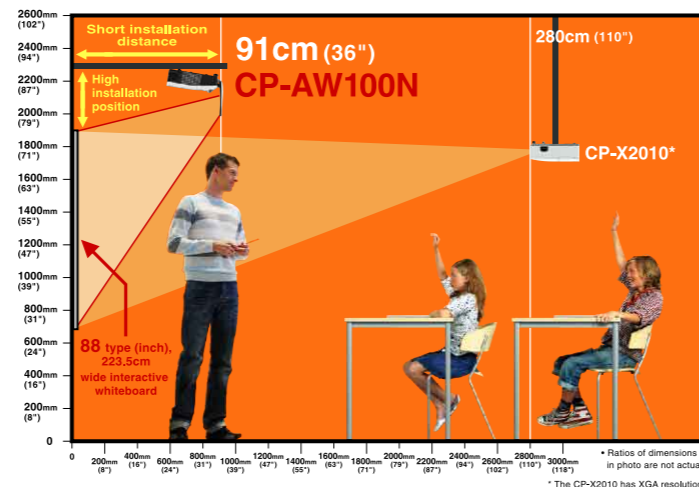


■ Ultra-Short Throw Length

The CP-AW100N uses a free-shaped plastic lens and mirror projection system. Even in the limited space of a classroom, an ultra-short throw length of only 91cm (36 inches) is possible on an 88 type (inch), 223.5cm wide interactive whiteboard. The short installation distance from the screen means easy installation and permits use of a short connection cable. Also, the projector's high installation position allows lessons to proceed with less chance of anyone being distracted by the projector's light source, and the shadow of the teacher's arm on the whiteboard is reduced. Furthermore, due to the mirror projection system, light leakage is small.



Projection lens cross section.



■ WXGA (1,280 x 800) Capability

Featuring WXGA resolution, the CP-AW100N is capable of displaying wide and large images with excellent clarity. This means it can project large images in classrooms and other rooms with limited ceiling height. It will show, for example, wide images on 88 type (inch), 223.5cm wide interactive whiteboards in classrooms. Another benefit of the wide WXGA image is that it gives small elementary school students easier access from top to bottom of the whiteboard. Furthermore, the ability to handle wide signals means it can faithfully display images from notebook computers.

**88 type (inch),
223.5cm
wide interactive
whiteboard
WXGA
(1,280 x 800)**



WXGA Ultra-Short Throw LCD Projector

CP-AW100N



Advanced Network Functions

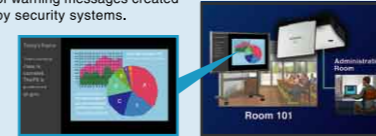
■ Messenger

The Messenger function transmits text data to the projector via a network, so the projector can display it. Four types of display are possible: Horizontal Scrolling, Box, Pop-on and Picture Side. This is an easy and efficient way to send campus-wide announcements.

Messenger function is ideal for:

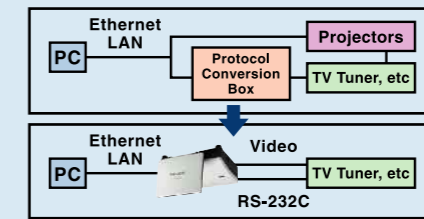
- Campus Notifications • School Activities
- Daily Schedules • Community/Local News

* This function is not intended or guaranteed for the distribution of warning messages created by security systems.



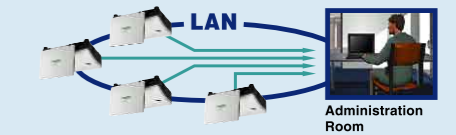
■ Network Bridge Function

The CP-AW100N Network Bridge function allows for commands to be passed through its LAN port and sent to another device connected to the RS-232C output, such as an external TV Tuner or control panel. This helps to simplify and lower the costs of cabling and installation.



■ Centralized Reporting

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

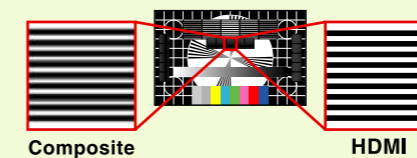


■ Convenient Networking

Embedded networking gives you the ability to manage and control multiple projectors over your LAN. Scheduling, e-mail alerts, and image transfer (MY IMAGE) are just some of the functions available via LAN.

■ HDMI Input

The CP-AW100N has an HDMI input terminal for receiving digital video signals. By keeping the signal in the digital domain, it projects high quality images that are faithful to the original signal. In comparison to composite, text characters are steady, with no smearing.



■ Template Function*

When projecting onto a whiteboard, blackboard, etc., this function projects lines, making writing on the board easier. You can choose four types of lines. Furthermore, template function offers a world map; the center city can be moved in 24-hour steps. It can also display circles.

* Patent pending



Black lines on a white grid World map



Black lines on a white background Circles

■ Partial Magnification Function

The projector can magnify part of the image up to 4 times*. The zoom position guide can provide an on-screen display, so while viewing the image, you can magnify it with the remote control. * With computer signal input.



■ 10W Internal Speaker

The CP-AW100N has a built-in 10W high power speaker.



■ Hybrid Filter

The Hybrid Filter requires less frequent maintenance and cleaning, making longer operation possible. Filter maintenance frequency has been improved from every 400 hours to every 4,000 hours.

* Actual filter maintenance necessity varies according to environment.



■ Easy Maintenance

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



■ Versatile Security Functions

This projector is equipped with a security bar that allows the easy attachment of a security chain. By using the PIN Lock the CP-AW100N can limit the number of users. The MyScreen function can be used to identify the owner. It also is protected by a PIN Lock. A Transition Detector can prevent unauthorized use of the projector.



Security bar

■ Low Noise of 28dB* (ECO Mode)

Employing a new fan design, the CP-AW100N achieves a low noise of 28dB in ECO Mode. With quiet operation, it is easy to give lessons or presentations without distracting the audience with noise from the projector.

* Typical. Tested in 23°C environmental conditions.

■ Other Features

- Audio Pass Through • Power Saving Mode • Blackboard or Whiteboard Modes • Input Source Naming
- 4-Second Quick Start • Direct Power On/Off • Daytime Mode
- 3:2 Pull Down • Noise Reduction
- Motion Adaptive Progressive Scan
- Equalizing Gamma Function
- Resolution Preset and Custom Modes
- My Button • My Text • Manual Vertical Keystone Correction • Serial No. Label on Side • Security Label Included
- My Source/Document Camera Button on Remote Controller
- Closed Caption • Compatible with AMX Device Discovery