

# HITACHI

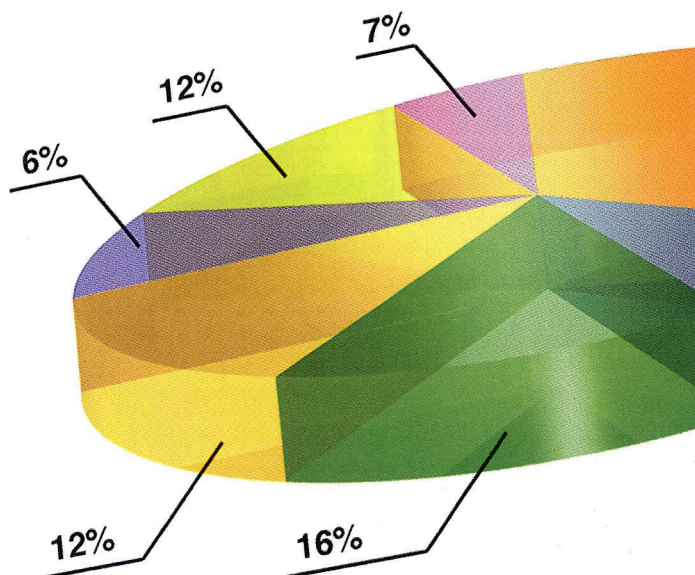
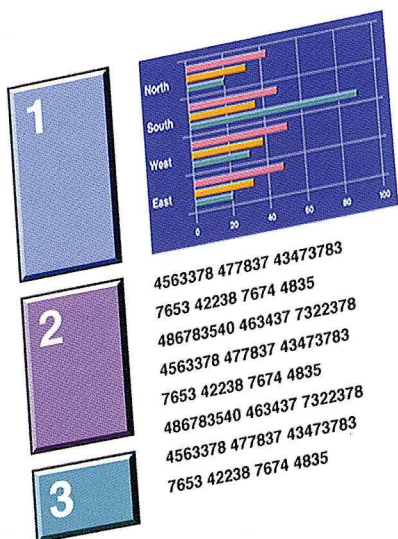
Inspire the Next



Ultra-Short Throw  
LCD Projector

## CP-A100

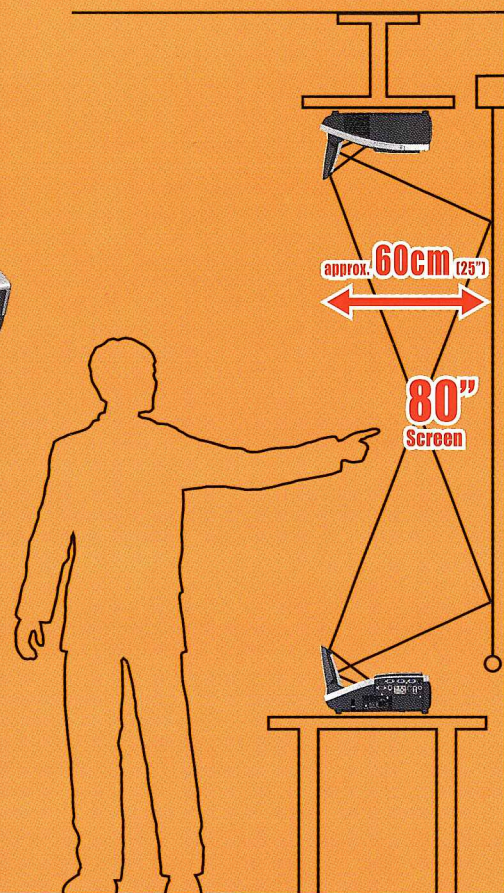
Elegant curved surface and  
an amazingly short throw.





Ultra-Short Throw  
LCD Projector

# CP-A100



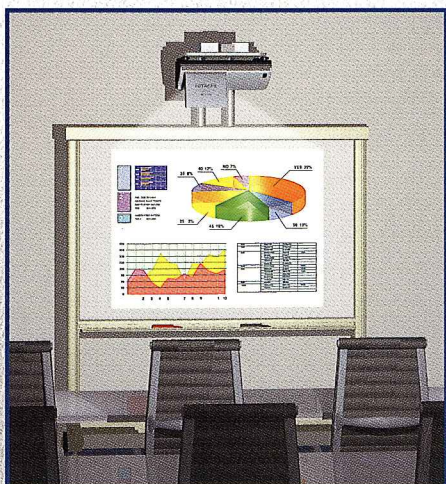
\* Ratio of dimensions in illustration are not actual.

**With ultra-short throw, this projector eliminates distractions that can annoy presenters or teachers.**

**The CP-A100 uses a high performance lens with a free-shaped surface made of high performance plastic. The combination of this lens and the mirror achieves large image projection with a short throw.**

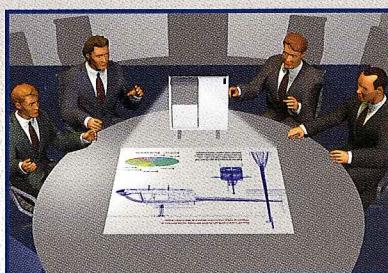
## Various situations where it can be used

With its short throw, the CP-A100 can be used easily in a wide variety of situations.



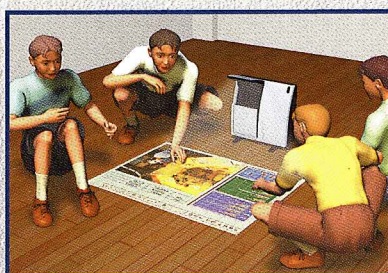
### Interactive whiteboard use

Using it together with an interactive whiteboard enables presentations and lessons to be more easily understood.



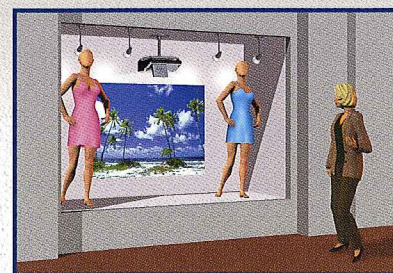
### Desktop use

If the CP-A100 is installed vertically and projected onto a desktop, it can be used to study designs or design drawings from various directions.



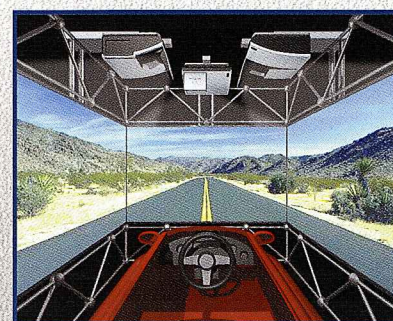
### Floor projection use

You can have class participation lessons shared by everyone by projecting images onto the floor during small classes.



### Store window use

It can be used in narrow spaces such as show windows in stores or booths at exhibitions.

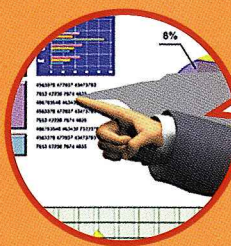


### Amusement space use

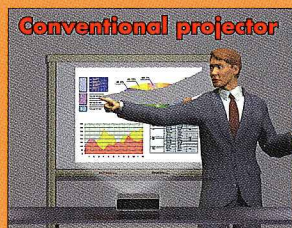
It can be used to give effective presentations in complex spaces such as amusement facilities.

# Have you had these kinds of problems?

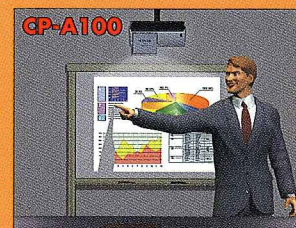
Shadows make the image hard to see and write on.



"This is so hard to see!"



"I can barely see it because of the shadow of my hand. It is also hard for the audience or class members to see it."



Thanks to the short throw, the shadow is eliminated from the area around the place that is marked.

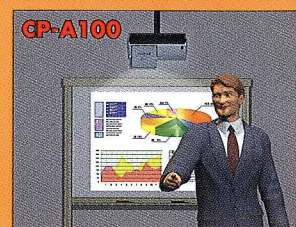
"Because of the glare, I cannot face the audience or class members."



"This glare is bothering me!"



The light of the projector is glaring, so audience reactions cannot be seen clearly.



Audience reactions can be seen without any interference from the light source.

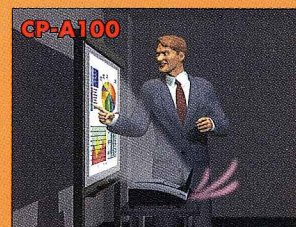
The exhaust air temperature is high.



"This hot air is very annoying!"



Presenter is bothered by the heat.



The presentation or lesson can be performed comfortably without anyone being affected by hot exhaust air.

If the presenter or teacher can conduct the presentation or lesson without unpleasant distractions, the audience or class members will be interested in it and can concentrate on it.

## Usability, Management, Maintenance and Security — A Complete Selection of Functions.

### ■ Superior Usability

#### • 28dB Quiet Operation (Whisper Mode)

In Whisper Mode, the projector has quietness of 28dB, the same as that of a guest room in a hotel. Viewers can concentrate on the images without being bothered by fan noise.

#### • Whiteboard and Blackboard Modes

In rooms without a screen, these modes provide excellent viewing quality for projection on a whiteboard or blackboard.

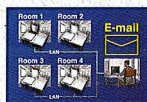
#### • Daytime Mode

The Daytime Mode uses image quality correction technology to counter the effects of light, ensuring clear, vivid images.



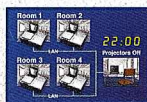
#### • E-mail Alert\*

E-mail Alert handles problems like lamp replacement smoothly by sending a warning message to ten designated e-mail addresses.



#### • Scheduling Function\*

Permits a variety of control operations such as automatically turning the power on and off at preset times.



#### • Still Image Transfer (e-SHOT)\*

Up to four still pictures can be transferred from a computer and shown on the screen at pre-determined times with the scheduling function.



#### • Easy Replacement of Lamp and Filter

The lamp door is on the top and the filter is on the rear side. Even when the projector is suspended, the lamp or filter can be replaced easily.

### ■ Versatile Security

#### • PIN Lock and My Screen PIN Lock

PIN Lock ensures that only those who know the PIN can use the projectors. My Screen PIN Lock locks in a certain image as the startup screen. Using a school name or company logo, for example, makes it clear who owns the projector.

#### • Security Bar

This projector has a Security Bar that makes it even easier to attach to a convenient place by a cable or chain. This helps to prevent theft when it is mounted on a ceiling or used on a cart-top.

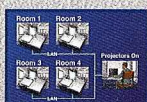
### ■ Other Features

- 4-Second Quick Start • Direct Power On/Off
- Easy Connection • My Button • Input Source Naming • Resolution Preset and Custom Modes
- IR Remote Frequency Change • Security Label on Side • My Text

### ■ Network Management

#### • Projector Monitoring and Control\*

A single computer at a remote location can monitor and control the power and other functions of a single projector or as many LAN-connected projectors as are needed.



### ■ Easy Maintenance

#### • Less Maintenance Frequency

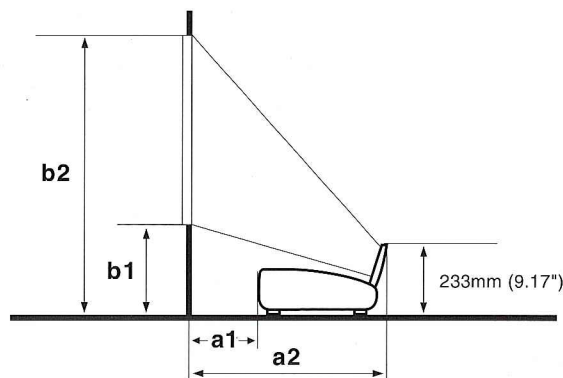
The projector uses a large-size, highly reliable filter. The filter lasts four times as long as the type used on previous models, so when the projector is frequently used for long hours, this saves your maintenance time substantially.

\*To use these functions, it is necessary to install dedicated software from the Web. See the owner's manual for details.

## SPECIFICATIONS

|                        |                                         |
|------------------------|-----------------------------------------|
| Model name             | CP-A100                                 |
| Liquid crystal panel   | 0.63" polysilicon active-matrix TFT x 3 |
| Number of pixels       | 786,432 pixels (V768 x H1,024)          |
| Resolution             | 1,024 x 768 color pixels                |
| Projection method      | Mirror type                             |
| Lens                   | Fixed lens, power focus                 |
| Lamp                   | 220W UHB                                |
| Brightness             | 2,500 Lumens                            |
| Contrast ratio         | 400:1                                   |
| Audio                  | 7W mono                                 |
| Keystone correction    | Manual Vertical Keystone                |
| Power supply           | AC100-120V/AC220-240V                   |
| Operating temperature  | 5-35°C (41-95°F)                        |
| Input signals          | Computer input                          |
|                        | Video input                             |
| Input/output terminals | Video input                             |
|                        | Audio input                             |
|                        | Computer input                          |
|                        | Audio output                            |
|                        | Monitor output                          |
|                        | Control and mouse                       |
|                        | Wired network                           |
|                        | Agency certifications                   |
| Dimensions (WxHxD)     |                                         |
|                        |                                         |
| Weight                 |                                         |
| Standard accessories   |                                         |
| Optional accessories   |                                         |

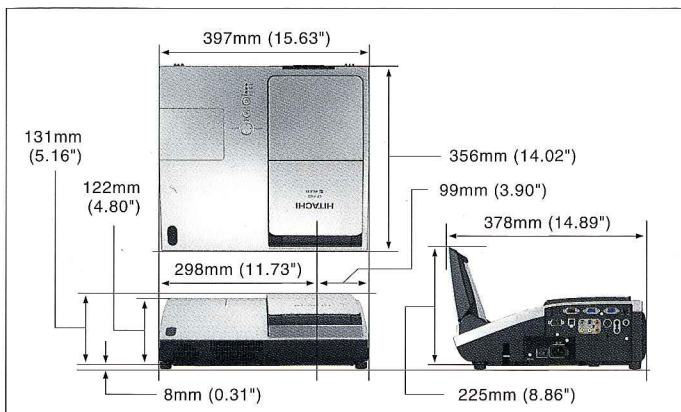
## PROJECTION DISTANCE



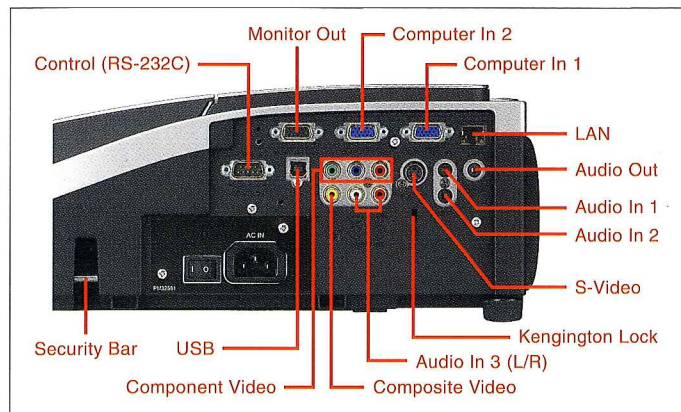
| Screen Size (inch) | a1            | a2            | b1           | b2             |
|--------------------|---------------|---------------|--------------|----------------|
| 48                 | 0.5cm (0")    | 38.3cm (15")  | 24.4cm (10") | 98.2cm (39")   |
| 50                 | 2.0cm (1")    | 39.8cm (16")  | 25.2cm (10") | 101.9cm (40")  |
| 60                 | 9.6cm (4")    | 47.4cm (19")  | 28.9cm (11") | 120.4cm (47")  |
| 70                 | 17.2cm (7")   | 55.0cm (22")  | 32.6cm (13") | 139.3cm (55")  |
| 80                 | 24.8cm (10")  | 62.6cm (25")  | 36.2cm (14") | 158.2cm (62")  |
| 90                 | 32.4cm (13")  | 70.2cm (28")  | 39.9cm (16") | 177.1cm (70")  |
| 100                | 39.9cm (16")  | 77.7cm (31")  | 43.6cm (17") | 196.0cm (77")  |
| 120                | 55.0cm (22")  | 92.8cm (37")  | 50.9cm (20") | 234.0cm (92")  |
| 150                | 77.7cm (31")  | 115.5cm (45") | 62.0cm (24") | 291.0cm (115") |
| 200                | 115.5cm (45") | 153.3cm (60") | 80.4cm (32") | 385.7cm (152") |

- Manufacturer's recommended size is 60" - 100".
- Tolerance  $\pm 8\%$  (for projection distance a2)
- Final specifications may vary slightly.

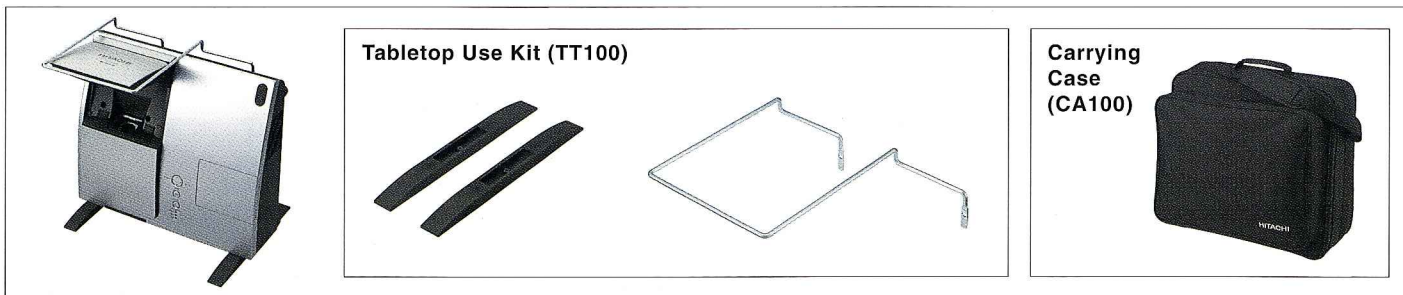
## DIMENSIONS



## TERMINALS



## OPTIONAL ACCESSORIES



### • Design and specifications are subject to change without notice.

- The screen and monitor 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], contrast-up film) 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.

# HITACHI

Hitachi America, Ltd. Ubiquitous Platform System Division 900 Hitachi Way, Chula Vista, CA91914-3556, U.S.A.

Tel: +1-800-HITACHI Fax: +1-619-591-5418 www.hitachi.us/digitalmedia

Hitachi Canada Ltd. 2495 Meadowpine Blvd. Mississauga, Ontario L5N6C3, Canada Tel: +1-905-821-4545 Fax: +1-905-821-1101 www.hitachi.ca

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

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

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: +44-1628-643000 Fax: +44-1628-643404 www.hitachidigitalmedia.com



Hitachi, Ltd. Consumer Business Group has received ISO 14001 certification.