

CP-A100

INNOVATE
The Future of Projection



ULTRA SHORT THROW LCD PROJECTOR

Featuring unique Hitachi optical technology, the CP-A100 has an ultra short throw capability delivering a 60" projection screen at only 42cm*.

This allows the projector to be sited very close to the screen, eliminating shadowing effects and allowing greater flexibility for the user. With advanced picture quality, added usability and security features this product will revolutionise the use of projectors in education and business.

- World's first high performance free shaped lens
- Unique Hitachi technology
- Ultra Short Throw – 42cm for 60"
- Normal Mode - 2500 Lumens
Eco Mode - 2000 Lumens
- Full Connectivity – RGB 2in/1out, 3 x Audio in, 1 x out
- Network capability – LAN through RJ-45
- Easy Maintenance – Conveniently located lamp door on top of the projector, plus a highly effective filter ensures that servicing and maintenance are kept to a minimum
- Enhanced Security – Security bar, PIN lock, MyScreen PIN Lock, Keypad lock, E-mail alert when connected to a LAN

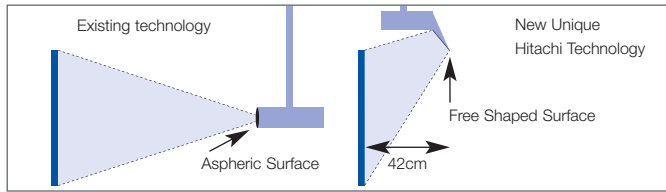


*9.6cm from the front of the projector to the screen

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CP-A100

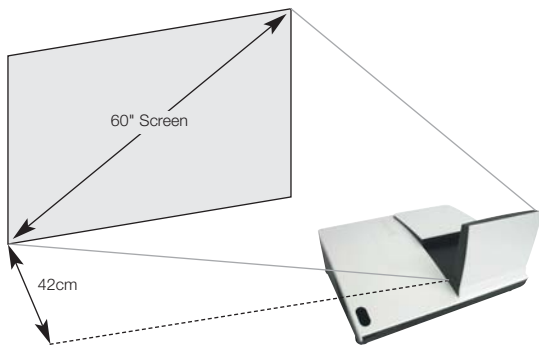
- **Hitachi Ultra Short Throw technology** – The CP-A100 uses the world's first, high performance, free shaped lens, uniquely developed by Hitachi, this allows the projector to produce a 60" image, at only 42cm from the mirror to the screen.



- **Ultra Short Throw** – Using Hitachi's new unique high performance lens, we are able to dramatically reduce the throw distance, combined with the introduction of a high angle projection capability means that the quiet CP-A100 projector can be sited only 42cm away for a 60" screen.

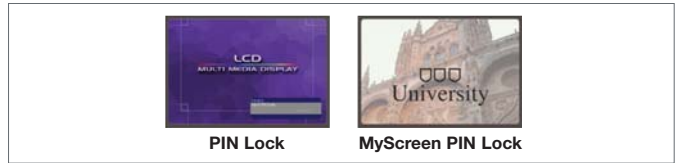
Benefits include:

- Optimises available space
- Flexible for both intimate or large environments
- More room for presenter and audience
- Shadow free presentations
- No direct glare from the projector light



- **Versatile Performance** – With their compact size and ability to project a 60" image from just 42 cm, measured from the mirror to the screen. Hitachi's CP-A100 Ultra Short Throw projectors are perfect in any size of room, be that a boardroom, a classroom or at home and can project either on to a wall or even on a tabletop.

- **Network Capability** – LAN through RJ-45.
- **Security** – Excellent multi-level security protection reduces the risk of theft, including PIN locks, security bar, security labels, Kensington lock, an email alert when removed from the network, and an optional, distinctive orange-for-education panel.



- **Picture quality** – Hitachi's unique high performance lens technology, creates the highest possible picture quality. The vivid 3LCD 8 bit colour offers 16.7m colours with XGA resolution bringing you clear, and sharp images.
- **Connectivity** – Wide-ranging connectivity features include Dual RGB inputs and one RGB output, three audio inputs and one output, plus an RJ-45 socket for wired LAN access.
- **Easy Maintenance** – Easy maintenance is assured with the inclusion of highly effective parts throughout the projector. The lamp door is located on top of the projector so it's really easy to access the lamp, this combined with the sliding filter door, ensures it is quick and easy to clean, maintain and replace these items.
- **Design** – The CP-A100 has been refined to create a complete compact product design. Using stylish contours to create a modern look, combined with changeable panels to give you flexibility and choice of colours.



Technical Specifications

| OPTICAL | |
|------------------------|---|
| LCD Panel | 0.63" P-Si TFT x 3 with MLA |
| Resolution | XGA |
| Number of colour | 8 bit/colour, 16.7 M colours |
| Brightness | Normal Mode - 2500 Lumens, Eco Mode - 2000 Lumens |
| Contrast Ratio | 500:1 |
| Lens | Motorised mirror. Mirror opens when the lamp is turned on, and closed when the lamp is off. Electronic focus. Digital zoom |
| Lamp | 220W |
| Lamp Life | 2000 hours (Normal Mode)/3000 hours (Whisper Mode) |
| Diagonal Display Size | 60" - 100" |
| COMPATIBILITY | |
| Computer Compatibility | IBM Compatible VGA, SVGA, XGA, SXGA, UXGA, MAC 16" |
| Video Compatibility | NTSC/PAL/SECAM/PAL-M, NTSC4.43 SDTV: 525i(480i), 525p(480p), 625i(576i) HDTV: 750p (720p@60Hz), 1125i(1080i@50/60Hz) |
| FEATURES | |
| Plug & Play | (DDC2B) |
| OSD Languages | MENU: 17 Languages |
| Basic functions | Freeze, Magnifying, Blank, Auto adjustment, Search, Page UP & DOWN (for USB mouse function) |
| Picture adjustments | Equalizing Gamma Correction, 2-3 pull down, Progressive Scan, Noise Reduction, Digital Zoom x1.2, Equalizing Color Temperature Adjustment |
| Digital Keystone | Manual Vertical keystone 5 degrees (@XGA 60HZ) |
| Advanced Features | MyScreen, My Memory, My Button, Normal/Cinema/Dynamic/Blackboard/Greenboard/Whiteboard modes, Day time mode, Resolution setting, Input source naming (English), |
| Outward | Easy Lamp replace from top, Back side filter |
| Power on & off | Quick on, direct on, direct off |
| Security Systems | PIN lock, MyScreen PIN lock, Keypad lock, Kensington slot, E-mail alert, Transition detector |

| CONNECTORS | |
|---|--|
| Computer Input | 2 x 15-pin Mini D-sub |
| Monitor Out Port | 1 x 15-pin Mini D-sub |
| Video Input Port | 1 x RCA Jack 1 x S-Video Jack 1 x Component |
| Audio Input Port | 2 x Stereo Mini Jack 1 x RCA (L/R) Pair (Selectable on OSD) |
| Audio Output Port | 1 x Stereo Mini Jack |
| Control Port | 1 x 9-pin D-sub for RS232 control |
| Wired Network | 1 x RJ-45 |
| Mouse Emulation Port | 1 x USB Type B for mouse control |
| POWER | |
| Power Supply | 100-120V/220-240V auto switching |
| PHYSICAL | |
| Dimensions (W x H x D) | 397 x 131 x 356mms (when mirror is closed) |
| Weight | 5.9Kg |
| Noise Level | 35dB (Normal Mode)/29dB (Whisper Mode) |
| Air Filter | Polyurethane |
| CERTIFICATION | |
| UL 60950/ C-UL, FCC Part 15 Class B. CE, AS/NZS CISPR22 Class B | |
| MISCELLANEOUS | |
| Lamp indicator light, Power light, Ceiling Mount image, Rear Projection Image | |
| ACCESSORIES SUPPLIED | |
| Remote control with batteries, Power cord, User manual, Computer cable, Security label, Cable cover | |
| OPTIONAL ACCESSORIES | |
| Softcase, Stand, Wall mount | |

ED-A101/ED-A111

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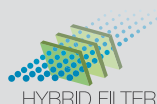


ULTRA SHORT THROW LCD PROJECTOR

Featuring unique Hitachi optical technology, the ED-A101/ED-A111 has an ultra short throw capability delivering a 60" projection screen at only 42cm*.

Reduced throw distance and high angle projection capability means the projector can be placed in close proximity to the screen, bringing shadow-free images and greater flexibility for the user. Drawing on Hitachi's well known reputation for advanced picture quality, usability, cost-effectiveness and security, this projector will transform the way teachers communicate to students.

- World's first high performance free shaped lens, uniquely developed by Hitachi
- Ultra Short Throw – 42cm for 60"
- Brightness: Normal Mode – 1500 Lumens
Bright Mode – 2000 Lumens
- Perfect Fit – Adjust each corner of the image one by one to correct distortion without the typical side effects of digital correction
- Full Connectivity – RGB 2 in/1 out, 3 x Audio in, 1 x Audio out
- Reliability - New hybrid filter makes this model virtually maintenance free
- Easy Maintenance – A conveniently located lamp door on top of the projector for easy access whenever servicing is required
- Enhanced Security – Security bar, PIN-Lock, MyScreen PIN-Lock, Keypad lock

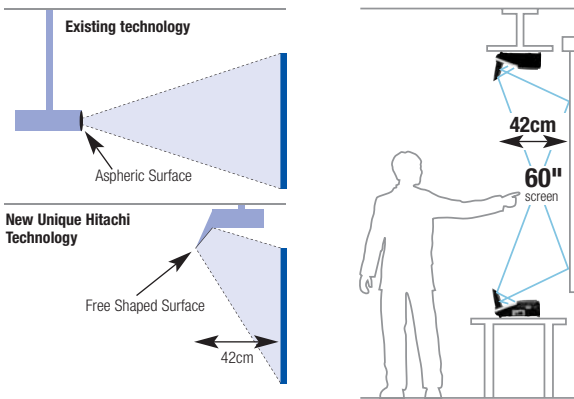


*9.6cm from the front of the projector to the screen

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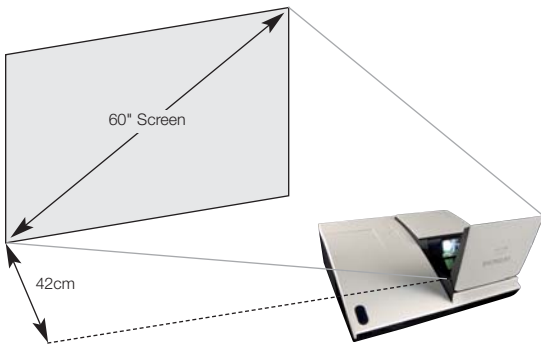
- Hitachi Technology** – The ED-A101/ED-A111 use the world's first high performance, free shaped lens uniquely developed by Hitachi, the projector to produces a 60" image at only 42cm from the mirror to the screen.



- Ultra Short Throw** – Using Hitachi's new unique high performance lens. We are able to dramatically reduce the throw distance, combined with the introduction of a high angle projection capability, the quiet ED-A101/ED-A111 projector can be sited only 42cm away for a 60" screen.

Benefits include:

- Optimises available space
- Flexible for both intimate or large environments
- More room for presenter and audience
- Shadow free presentations
- No direct glare from the projector light



- Versatile Performance** – With their compact size and ability to project a 60" image from just 42cm (measured from mirror to screen), Hitachi's ED-A101/ED-A111 projectors are perfect in a variety of venues, especially where space is at a premium.
- Security** – Excellent multi-level security protection reduces the risk of theft, including PIN-Locks, security bar, security labels, Kensington lock and an optional, distinctive orange-for-education panel.
- Picture Quality** – Hitachi's unique high performance lens technology creates the highest possible picture quality. The vivid 3LCD 8 bit colour offers 16.7m colours with XGA resolution bringing you clear, and sharp images.
- Connectivity** – Wide-ranging connectivity features include dual RGB inputs and one RGB output, three audio inputs and one output.



- Reliability and Reduced Maintenance Cycles** – A newly fitted hybrid filter reduces maintenance cycles, costs and electronic waste. On the occasions when maintenance is required, conveniently placed parts throughout the projector ensure no time is wasted. The lamp door is located on top of the projector and, when combined with the sliding filter door, ensures quick and easy access for maintenance and replacements.
- Design** – The ED-A101/ED-A111 has been refined using stylish contours to create a modern, compact design. Added options include changeable panels and choice of colour (white or orange).



Technical Specifications

| OPTICAL | |
|------------------------|--|
| Resolution | XGA |
| Number of colours | 8 bit/colour, 16.7 M colours |
| Brightness | Normal Mode - 1500 ANSI Lumens, Bright Mode - 2000 ANSI Lumens |
| Contrast Ratio | 500:1 |
| Lens | Mirror type by electric. Mirror opens when the lamp is turned on and closed when the lamp is off. No optical zoom. Power focus. Digital zoom |
| Lamp | 220W |
| Lamp Life | 3000 hours (Normal)/4000 hours (Eco) |
| Diagonal Display Size | 48-200" (Recommended screen size 60-100") |
| COMPATIBILITY | |
| Computer Compatibility | IBM Compatible VGA, SVGA, XGA, SXGA, UXGA, MAC 16" |
| Video Compatibility | NTSC/PAL/SECAM/PAL-M,N/NTSC4.43 SDTV: 525i(480i), 525p(480p), 625i(576i) HDTV: 750p(720p@60Hz), 1125i(1080i@50/60Hz) |
| FEATURES | |
| Plug & Play | DDC2B |
| Speakers: | 6W x 1 |
| OSD Languages | MENU: 25 Languages |
| Basic functions | Freeze, Magnifying, Blank, Auto adjustment, Search, Page UP & DOWN (for USB mouse function) |
| Picture adjustments | Equalizing Gamma Correction, 2-3 pull down, Progressive Scan, Noise Reduction |
| Digital Keystone | Manual Vertical keystone ±5 degrees (@ XGA 60Hz), Perfect Fit |
| Advanced Features | MyScreen, My Memory, My Button, Blackboard/Whiteboard Mode, Daytime Mode, Input source naming (English), Resolution setting |
| Outward | Easy Lamp replace from top, Back side filter |
| Power on & off | Quick on, direct on, direct off |
| Security Systems | PIN-Lock, MyScreen PIN-Lock, Keypad lock, Kensington slot, Security bar, Focus Lock |
| Other | Template, Saving Mode, Audio Pass Through, My Text |

| CONNECTORS | |
|------------------------|--|
| Computer Input | 2 x 15-pin Mini D-sub |
| Monitor Out Port | 1 x 15-pin Mini D-sub |
| Video Input Port | 1 x RCA Jack 1 x S-Video Jack 3 x RCA Jack (for component) |
| Audio Input Port | 2 x Stereo Mini Jack 1 x RCA (L/R) Pair (Selectable on OSD) |
| Audio Output Port | 1 x Stereo Mini Jack |
| Control Port | 1 x 9-pin D-sub for RS232 control |
| POWER | |
| Power Supply | 100-120V/220-240V, auto switching |
| Power Consumption | 340W (normal mode)/<5W (saving mode) |
| PHYSICAL | |
| Dimensions (W x H x D) | 397 x 131 x 356mms (when mirror is closed) |
| Weight | 5.8Kg (TBD) |
| Noise Level | 33dB (Normal Mode)/28dB (Whisper Mode) |
| Air Filter | Hybrid |

| CERTIFICATION | |
|--|--|
| UL 60950/C-UL, FCC Part 15 Class B CE, AS/NZS CISPR22 Class B | |
| MISCELLANEOUS | |
| Lamp indicator light, Power light, Ceiling mount image, Rear projection Image | |
| ACCESSORIES SUPPLIED | |
| Remote control with batteries, Power cord, User manual, Computer cable, Softcase (optional), Security label, Cable cover, Stand (optional) | |