# ED-X10

# ED-X12

A HIGHLY COMPACT AND AFFORDABLE 3LCD PROJECTOR, DELIVERING PERFORMANCE, OPTICAL ZOOM AND EXCELLENT CONNECTIVITY

Designed to help combat theft in schools, this education projector comes with a market leading range of security features. Functional, reliable and easy to use.

- 1500 ANSI Lumens
- XGA Resolution
- Full Connectivity
- Lightweight and Portable
- My Screen Memory Image Store
- Whiteboard/Blackboard/Greenboard Mode

## Security Features

- Pin Code Protected
- Transition Detector
- Customised Start-up Screen
- High Visibility
- Security Bar
- Ultra Destruct Labels

ED-X10

ED-X12

**3LCD**

- **1500 ANSI Lumens** with optical zoom.
- **Full Connectivity** - 2 x RGB in and RGB monitor out with audio in/out and versatile video connections.



- **Quick start and Instant Off** – These features are ideal for quick presentations. The image will appear in just 3 seconds after power on and the unit can be instantly powered off after a presentation.

- **Auto vertical keystone** – just press the button for a perfect screen setting.

- **Input source naming** – the name of any input can be changed to one of your own choosing for easier use.



- **My button** – there are 2 user programmable buttons on the remote control that may be set with any command. The user can set up these buttons from a simple, easy to understand menu.

- **Resolution preset** ensures special resolutions, such as WXGA will be recognised and resized and placed in the optimum position. Custom modes can also be stored to remember user's own resolutions.
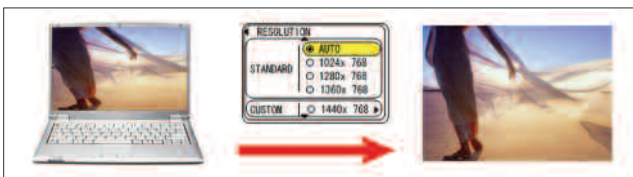


- **Whiteboard mode and Blackboard mode** – Images displayed on whiteboards may be too bright, whiteboard mode changes the gamma curve to reduce the peak white brightness allowing users to enjoy the benefits of a bright projector but reducing potential health and safety risks of looking directly into one. Blackboard mode provides better colour balance when projecting onto a coloured background.



| Normal mode | Whiteboard mode |
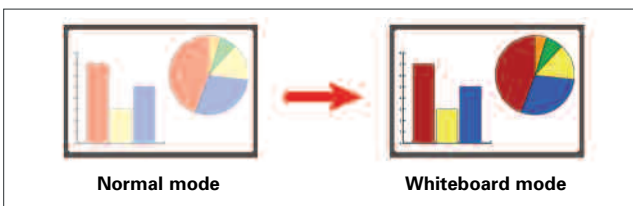
- **Anti Theft Features** – ED-X10/12 have an impressive suite of anti-theft measures – security bar is a steel bar embedded in the chassis which provides a strong anchor point for a chain. It is also a visible security feature to prevent casual removal:



6 Way Theft Protection | **PIN Lock** | **My Screen PIN Lock**

– Pin-lock is a means of in-activating the projector until a user preset key sequence is input

– 'My screen lock' allows users to personalise the start up screen with a warning or ownership message and lock this screen with a pin code number

– Transition detector that operates whenever the projection angle or settings are changed from the installed position – this is locked by a numeric pin code

# ED-X10/ED-X12 SPECIFICATION

## OPTICAL

| | |
|---|---|
| LCD Panel | 0.63" P-Si TFT x 3 with MLA |
| Resolution | XGA: 1024 dots x 768 lines |
| Brightness (Normal) | 1500 ANSI Lumens |
| (Bright Mode) | 2000 ANSI Lumens |
| Contrast Ratio | 500:1 |
| Lens | F1.7~1.9, f=18.9~22.6mm, Manual Zoom x 1.2, Manual Focus |
| Lamp | 200W UHB |
| Focus Distance | 0.9~9.3 m (WIDE), 1.1~10.8 m (TELE) |
| Distance to Width Ratio (:1) | 1.52 (WIDE), 1.7 (TELE) |
| Diagonal Display Size | 30~300" (60"@1.8m, wide) |
| Colour Saturation | TBC |

## COMPATIBILITY

| | |
|---|---|
| Computer Compatibility | IBM Compatible VGA, SVGA, XGA, SXGA/SXGA+, UXGA Capability, MAC 13", MAC 16" (Pixelworks Chip) |
| Video Compatibility | NTSC/PAL/SECAM/PAL-M,N/NTSC4.43 SDTV: 525i(480i), 525p(480p), 625i(576i) HDTV: 750p (720p@50/60Hz), 1125i (1080i@50/60Hz) |
| Plug & Play | DDC2B |
| Frequency Range | FV 56~120Hz, FH 31.5~106kHz |

## FEATURES

| | |
|---|---|
| Keystone Correction | 9:1 upward shift, fixed |
| Speakers | 1 x 1W |

MENU : 17 Languages (English, French, German, Spanish, Italian, Norwegian, Dutch, Japanese, Portuguese, Simplified Chinese, Korean, Traditional Chinese, Swedish, Russian, Finnish, Polish, Turkish) Freeze, Magnifying, Blank, Auto Adjustment, Search, Page Up & Down (for USB mouse function), Equalizing Digital Gamma Correction, Colour Balance, 2-3 pull down, Progressive Scan, Noise Reduction, Auto V keystone +/- 30 degrees, My Screen, My Memory, My Button, Blackboard/Whiteboard/Greenboard Mode, Input Source Naming (English), Easy Lamp replace from Top, Easy Filter Change with sliding system, Serial Number label on side, Quick ON (3 sec target), Direct ON, Direct Off, Security Bar, PIN Lock, My Screen PIN lock, Keypad Lock, Kensington Slot, Transition Detector

## CONNECTORS

| | |
|---|---|
| Computer Input | 2 x 15-pin Mini D-sub |
| Computer Output | 1 x 15-pin Mini D-sub |
| Video Input | 1 x RCA Jack |
| | 1 x 4-pin Mini DIN |
| | 3 x RCA Jack for Component |
| Audio Input | 2 x Stereo Mini Jack |
| | 1 x Pair RCA (L/R) (Selectable on OSD) |
| Audio Output | 1 x Stereo Mini Jack |
| Control | 1 x 9-pin D-sub for RS232C Control |
| Mouse | 1 x USB for mouse control |

## POWER

| | |
|---|---|
| Power Supply | 100~120V/220~240V, 50/60Hz, 3.3A/1.4A |
| Power Consumption | 310W |

## PHYSICAL

| | |
|---|---|
| Dimensions (W x H x D) | 306 x 86 x 249mm (excluding feet and extrusions) |
| Weight | 3.0Kg |
| Noise Level (Normal) | 34dB |
| (Bright Mode) | 39dB |

## CERTIFICATION

UL60950-1/C-UL, FCC Part 15, Class B, CE, EN61000-3-2, EN61000-3-3, EN55022, EN55024, EN60950-1, WEE

## OPTIONAL ACCESSORIES

| | |
|---|---|
| Replacement Lamp | DT00757 |



a: Projection Distance
b: Lens centre to the higher edge of the screen
c: Lens centre to the lower edge of the screen
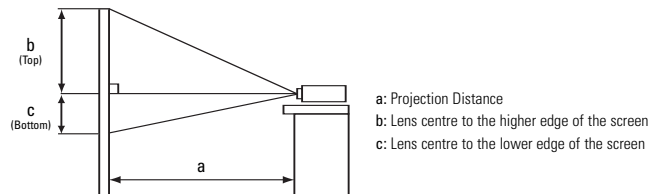
| Image Size 4:3 | | | | |
|---|---|---|---|---|
| Screen Size (Diagonal) | Projection Distance (a) | | Screen Height (cm) | |
| | min. (m) | max. (m) | b (top) | c (bottom) |
| 40" (1.0) | 1.2 | 1.4 | 55 | 6 |
| 60" (1.5) | 1.8 | 2.1 | 82 | 9 |
| 100" (2.5) | 3.0 | 3.6 | 137 | 15 |
| 150" (3.8) | 4.5 | 5.4 | 206 | 23 |
| 200" (5.1) | 6.0 | 7.2 | 274 | 30 |
| 300" (7.6) | 9.0 | 10.8 | 411 | 46 |

| Image Size 16:9 | | | | |
|---|---|---|---|---|
| Screen Size (Diagonal) | Projection Distance (a) | | Screen Height (cm) | |
| | min. (m) | max. (m) | b (top) | c (bottom) |
| 40" (1.0) | 1.3 | 1.5 | 51 | -2 |
| 60" (1.5) | 1.9 | 2.3 | 77 | -2 |
| 100" (2.5) | 3.2 | 3.9 | 129 | -4 |
| 150" (3.8) | 4.9 | 5.8 | 193 | -6 |
| 200" (5.1) | 6.5 | 7.8 | 257 | -8 |
| 300" (7.6) | 9.8 | 11.7 | 386 | -12 |