

HITACHI
Inspire the Next

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.

- 2000/1500 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



ED-X10

ED-X12

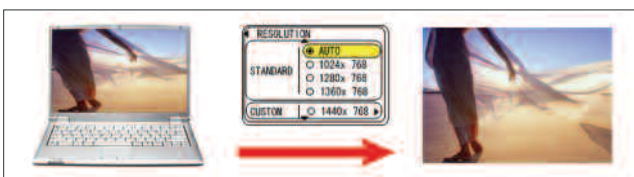
- **2000/1500 ANSI Lumens** with optical zoom.
- **Full Connectivity** - 2 x RGB in and RGB monitor out with audio in/out and versatile video connections.



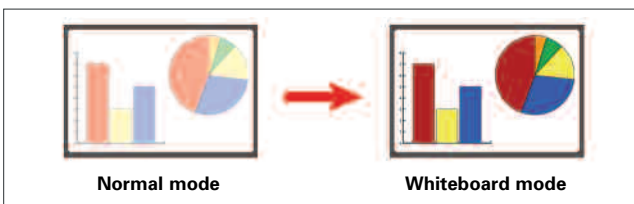
- **Quick Start and Instant Off** – These features are ideal for quick presentations. The image will appear in just 3 seconds after power on and the unit can be instantly powered off after a presentation.
- **Auto Vertical Keystone** – just press the button for a perfect screen setting.
- **Input Source 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** – This 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.



- **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:



- 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
Brightness (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)

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	32 dB normal mode (37 dB bright mode)

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
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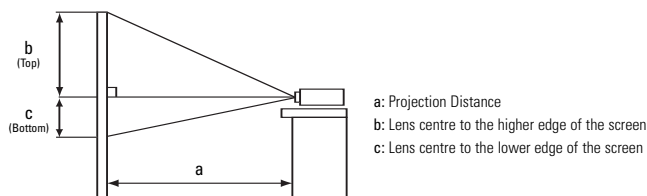


Image Size 4:3

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