

DIGITAL  
PROJECTOR

# MX850UST

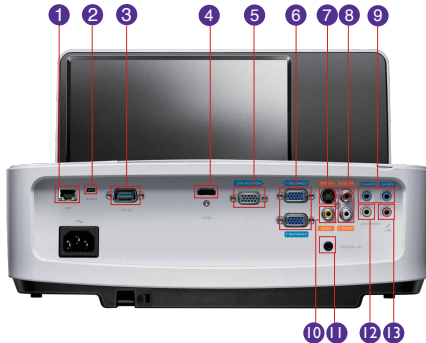


## Features

- Native XGA (1024x768) Resolution
- 2500 ANSI Lumens; 13000:1 Contrast Ratio
- 0.45 Ultra Short Throw Ratio
- LAN Control; Smart Eco Mode
- 20W Speaker; SRS WOW HD™; Mic Input



## Input and Output Terminals



- |                                  |                              |
|----------------------------------|------------------------------|
| 1 LAN (RJ45)                     | 7 S-Video In (Mini DIN 4pin) |
| 2 USB Mini B                     | 8 Audio Out L & R (RCA)      |
| 3 RS232 (DB-9pin)                | 9 Audio In 1 & 2 (Mini Jack) |
| 4 HDMI (v1.3)                    | 10 Composite Video In (RCA)  |
| 5 Monitor Out (D-sub 15pin)      | 11 DC 12V Trigger (3.5mm)    |
| 6 Computer In 1 & 2 (D-sub 5pin) | 12 Audio Out (Mini Jack)     |
|                                  | 13 Mic In (Mini Jack)        |

## Specifications

Projection System	DLP
Native Resolution	XGA(1024x768)
Brightness	2500 ANSI Lumens
Contrast Ratio	13000:1
Display Color	1.07 Billion Colors
Lens	F=2.65
Aspect Ratio	Native 4:3 (5 aspect ratio selectable)
Throw Ratio	0.45 (81" @ 2.43 ft)
Image Size (Diagonal)	50"~300"
Zoom Ratio	Fixed
Lamp Type	UHP230W (with Smart Eco Mode)
Lamp Life (Nor/Eco/Smart Eco Mode)	3500/5000/ up to 6500 hrs
Keystone Adjustment	Manual, Vertical +/- 15 degrees
Projection Offset	150%+/-5%
Resolution Support	VGA(640 x 480) to UXGA(1600 x 1200)
Horizontal Frequency	31K~102KHz
Vertical Scan Rate	23~120Hz
Compatibility	HDTV Compatibility: 480i, 480p, 576i, 576p, 720p, 1080i, 1080p Video Compatibility: NTSC, PAL, SECAM
Interface	Computer in (D-sub 15pin) x 2 (shared with Component video) Monitor out (D-sub 15pin) x 1 Composite Video in (RCA) x 1 S-Video in (Mini DIN 4pin) x 1 Audio in (Mini Jack) x 2 Audio L/R in (RCA) x 2 Audio out (Mini Jack) x 1 Microphone in (Mini Jack) x 1 Speaker 10W x 2 LAN (RJ45) x 1 (LAN Control) HDMI V1.3 x 1 USB (Type Mini B) x 1 (USB Download & Page up/down) DC 12V Trigger (3.5mm Jack) x 1 RS232 (DB-9pin) x 1
Dimensions (WxHxD)	13.35 x 9.33 x 12.71 inches (339 x 236.9 x 322.8 mm)
Weight	11.70 lbs (5.3kg)
Power Supply	100 to 240 VAC, 50 to 60 Hz
Power Consumption	Typical 321W, Standby<0.5W
Audible Noise	33/27 dBA (Normal/Economic mode)
On-Screen Display Languages	English/ France/ Germany/ Italian/ Spanish/ Russian/ Traditional Chinese/ Simplified Chinese/ Japanese/ Korean/ Swedish/ Dutch/ Turkish/ Czech/ Portuguese/ Thai/ Polish/ Hungarian/ Croatian/ Romanian/ Norwegian/ Danish/ Bulgaria/ Finnish/ Indonesian/ Greek/ Hindi/ Arabic (28 Languages)
Picture Mode	Dynamic/Presentation/s, RGB/Cinema/User 1/User 2
Accessories (Standard)	Remote Control w/ Battery, Power Cord, User Manual CD, Quick Start Guide, Warranty Card, VGA (D-sub 15 pin) Cable
Accessories (Optional)	Spare Lamp Kit P/N: 5J.J4V05.001 Wall Mount (T/R 0.4) P/N: 5J.J4V10.001 3D Glasses P/N: 5J.J0T14.011
Limited Warranty	3 Years Parts/Labor; 1 Year or 2000 hours of lamp life

\*Lamp life results will vary depending on environmental conditions and usage.

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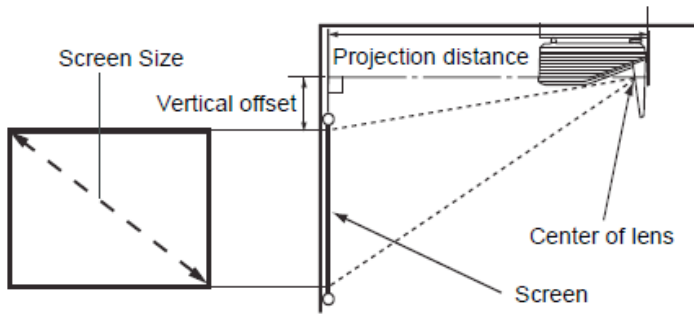
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Enjoyment Matters

# MX850UST Digital Projector

## Distance Chart

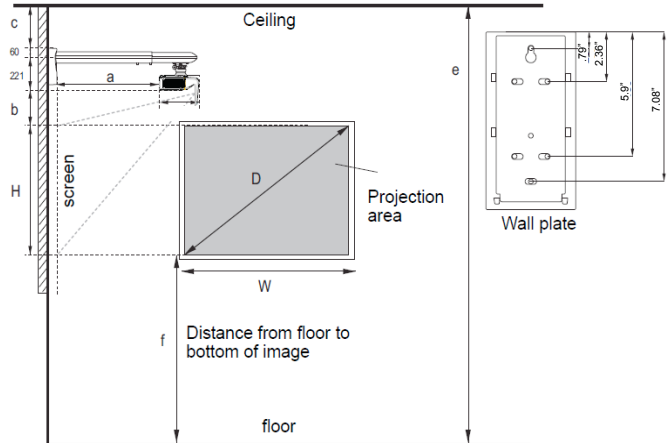


Screen Size				Distance from Screen in mm	Vertical offset in mm
Diagonal	W	H	H		
Inches	mm	(mm)	(mm)		
50	1270	1016	762	421	190.5
60	1524	1219	914	514	228.6
70	1778	1422	1067	606	266.7
80	2032	1626	1219	699	304.8
90	2286	1829	1372	791	342.9
100	2540	2032	1524	884	381.0
120	3048	2438	1829	1069	457.2
150	3810	3048	2286	1347	571.5
200	5080	4064	3048	1810	762.0
220	5588	4470	3353	1995	838.2
240	6096	4877	3658	2180	914.4
260	6604	5283	3962	2365	990.6
280	7112	5690	4267	2551	1066.8
300	7620	6096	4572	2736	1143.0

## Wall Mount Chart

Computer Resolution: XGA Image Resolution: XGA	Diagram Reference	SMART Board 660	Smart Board 680	Promethean ActivBoard 164	Promethean ActivBoard 178	RM ClassBoard2 77.5	Hitachi StarBoard FX-63	StarBoard FX-77
Image Diagonal (inches)	D	64	77	64	78	78	63	77
Image Height (mm)	H	975	1173	975	1189	1181	960	1173
Image Width (mm)	W	1300	1565	1300	1585	1575	1280	1565
Distance from floor to bottom of image (mm)	f	900	900	900	900	900	900	900
Distance from screen surface to projector rear case (mm)	a	257	377	257	306	386	247	377
Distance from top case to the top of image (mm)	b	244	293	244	297	295	240	293
Distance from top of wall mount to ceiling (mm)	c	50	50	50	50	50	50	50
Minimum Ceiling Height (mm)	e	2450	2697	2450	2717	2707	2431	2697

$$\text{Minimum Ceiling Height (mm)} = f + H + b + 60 + 221 + c$$



The dimensions are based on the BenQ wall mount (P/N: 5J.J4V10.001).

## Dimensions

