

DIGITAL  
PROJECTOR

# MW820ST

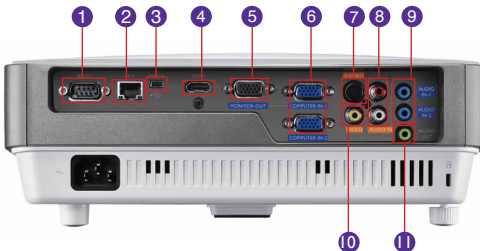


## Features

- Native WXGA (1280x800) Resolution
- 3,000 ANSI Lumens, 13,000:1 Contrast Ratio
- SmartEco™ Power Saving Technology
- 0.49 Short Throw Ratio
- LAN Control; HDMI, 10W Speaker



## Input and Output Terminals



- |                             |                                   |
|-----------------------------|-----------------------------------|
| 1 RS232 (DB-9pin)           | 6 Computer In 1 & 2 (D-sub 15pin) |
| 2 LAN (RJ45)                | 7 S-Video In (Mini DIN 4pin)      |
| 3 USB (Type Mini B)         | 8 Audio In L/R (RCA)              |
| 4 HDMI                      | 9 Audio In 1 & 2 (Mini Jack)      |
| 5 Monitor Out (D-sub 15pin) | 10 Composite Video In (RCA)       |
|                             | 11 Audio Out (Mini Jack)          |

## Specifications

Projection System	DLP®
Native Resolution	WXGA(1280x800)
Brightness	3,000AL
Contrast Ratio	13,000:1
Display Color	1.07 Billion Colors
Lens	F=2.6 f=6.9mm
Aspect Ratio	Native 16:10 (5 aspect ratio selectable)
Throw Ratio	0.49 (87" @ 0.91m)
Image Size (Diagonal)	72"~300"
Zoom Ratio	Fixed
Lamp Type	190W
Lamp Life	4,500/6,000/6,500/10,000 hours
Keystone Adjustment	1D, Vertical +/- 30 degrees
Projection Offset	110% ±5%
Resolution Support	VGA(640 x 480) to UXGA(1600 x 1200)
Horizontal Frequency	15~102KHz
Vertical Scan Rate	23~120Hz
Compatibility	HDTV Compatibility: 480i, 480p, 576i, 576p, 720p, 1080i, 1080p Video Compatibility: NTSC, PAL, SECAM 3D Compatibility: Frame Sequential: Up to 480i Frame Packing: Up to 24 Hz 1080p Side by Side: Up to 60Hz 1080i Top Bottom: Up to 24Hz 1080p
Interface	Computer in (D-sub 15pin) x 2(Share with component) Monitor out (D-sub 15pin) x 1 Composite Video in (RCA) x 1 S-Video in (Mini DIN 4pin) x 1 HDMI x 1 Audio in (Mini Jack) x 2 Audio out (Mini Jack) x 1 Audio L/R in (RCA) x 1 Speaker x 1 (10W) USB (Type Mini B) x 1 (Download & page/down) RS232 (DB-9pin) x 1 LAN (RJ45) x 1
Dimensions (WxHxD)	11.31" x 4.5" x 9.15" (287.3 x 114.4 x 232.6 mm)
Weight	5.73 lbs (2.6 kg)
Power Supply	AC100 to 240 V, 50 to 60 Hz
Power Consumption	270W(typical), Standby<0.5W
Audible Noise	32/28 dBA (Normal/Economic mode)
On-Screen Display Languages	Arabic/Bulgarian/ Croatian/ Czech/ Danish/ Dutch/ English/ Finnish/ French/ German/ Greek/ Hindi/ Hungarian/ Italian/ Indonesian/ Japanese/ Korean/ Norwegian/ Polish/ Portuguese/ Romanian/ Russian/ Simplified Chinese/Spanish/ Swedish/ Turkish/ Thai/ Traditional Chinese (28 Languages)
Picture Modes	Dynamic/Presentation/sRGB/Cinema/(3D)/User 1/User 2
Accessories (Standard)	Lens Cover, Remote Control w/ Battery, Power Cord, User Manual CD, Quick Start Guide, Warranty Card, VGA(D-sub 15pin) Cable
Accessories (Optional)	Spare Lamp Kit P/N: 5J.J9A05.001 Ceiling Mount P/N: 5J.J4N10.001 3D GlassesP/N: 5J.J7K25.001 Wall Mount P/N: 5J.J4R10.011 Carry bag P/N: 5J.J3T09.001
UPC / Part #	8400460-2800-8 / 9H.J9277.16A
Limited Warranty	3-Year Parts & Labor / 1-Year or 2000 hours of lamp life

\*Lamp life results will vary depending on environmental conditions and usage. Actual product's features and specifications are subject to change without notice.

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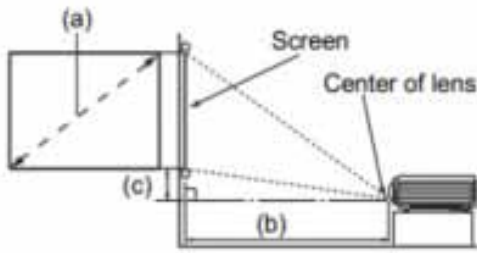
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# MW820ST Digital Projector

## Distance Chart

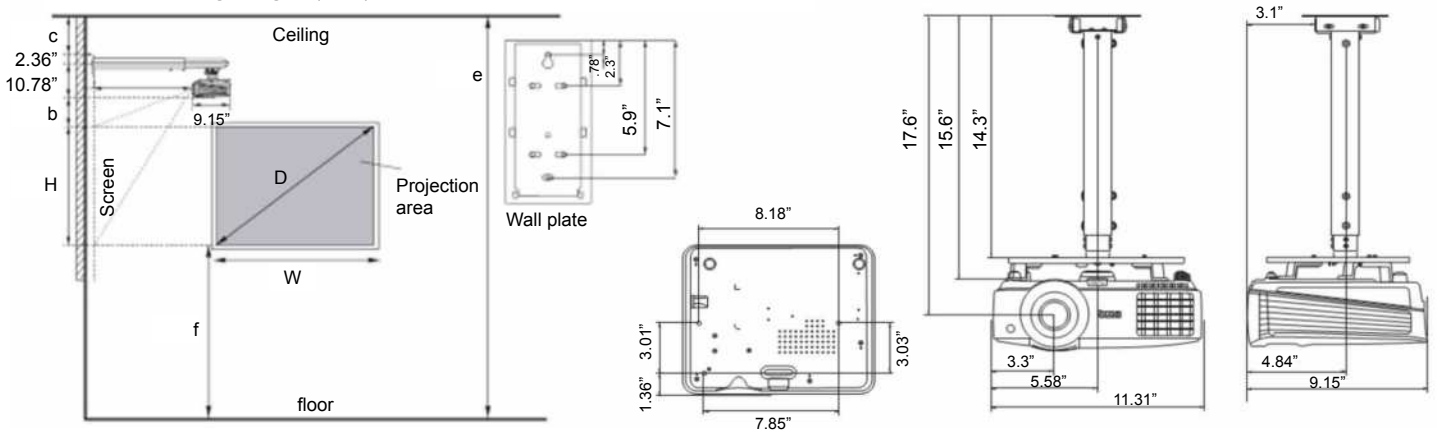
The screen aspect ratio is 4:3 and the projected picture is 4:3



(a) Screen Size				(b) Distance from screen (inch)	(c) Vertical offset (inch)
Diagonal		W (inch)	H (inch)		
Inch	mm				
80	2032	42.4	67.8	33.1	2.12
100	2540	52.9	84.8	41.4	2.63
120	3048	63.5	101.7	49.7	3.18
150	3810	79.5	127.2	62.1	3.9
180	4572	95.4	152.6	74.6	4.7
200	5080	105.9	169.6	82.8	5.3
220	5588	116.6	186.5	91.2	5.8
240	6096	127.2	203.5	99.4	6.4
270	6858	143.1	228.9	111.9	7.1
300	7620	159.0	254.4	124.3	7.9

## Wall Mount Chart

$$\text{Minimum Ceiling Height (inch)} = f + H + b + 2.36'' = 10.78'' + c$$



Ceiling mount screw: M4  
(Max L=25 mm; Min: L=20 mm)

Unit: inch

## Dimensions

