MW814ST Digital Projector

Highlights

- Designed for Education
- Easy Installation & Control
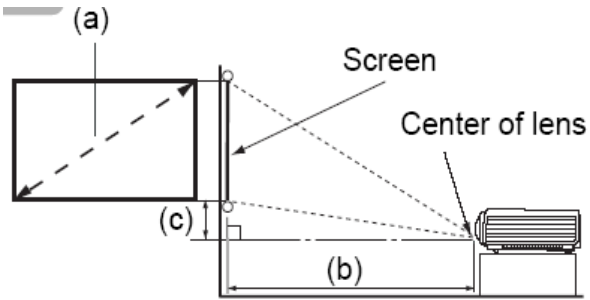- Easy Maintenance

Projection System	DLP	
Native Resolution	WXGA(1280 x 800)	
Brightness	2500AL	
Contrast Ratio	4000:1	
Display Color	1.07 Billion Colors	
Lens	F=2.59	
Aspect Ratio	Native 16:10 (5 aspect ratio selectable)	
Throw Ratio	0.49 (95" @ 1m)	
Image Size (Diagonal)	80"~300"	
Zoom Ratio	Fixed	
Lamp Type	SHP220W	
Lamp (Normal/Economic Mode)*	4500/6000hr	
Keystone Adjustment	1D, Vertical +/- 30 degrees (Manual)	
Projection Offset	110%	
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
	3D Compatibility	PC: 120Hz Frame Sequential 3D for resolutions up to WXGA 60Hz Top-bottom 3D for resolutions up to SXGA+ 60Hz Frame Sequential 3D resolutions up to WXGA Video: 60Hz Frame Sequential 3D for resolutions up to 480i
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
	HDMI V1.3	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)	NA
	Speaker	10W x 1
	LAN (RJ45)	x 1 (LAN Control)
	USB (type mini B)	x 1 (Download & Page up/down)
	RS232 (DB-9pin)	x 1
Dimensions	Dimensions(W x H x D) (cm)	287.3 x 114.4 x 232.6 (without lens)
	Weight	2.7 kg
Power	Power Supply	100 to 240 VAC, 50 to 60 Hz
	Power Consumption	300W, Standby<1W
Audible Noise	32/26 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/User 1/User 2	

Accessories	Standard	Optional	
	Remote Control w/ Battery	Presentation Plus	P/N: 65.J9306.002
	Power Cord (by region)	Spare Lamp Kit	P/N: 5J.J5205.001
	User Manual CD	Wall Mount (T/R 0.6)	P/N: 5J.J4R10.001
	Quick Start Guide	3D Glasses	P/N: 5J.J0T14.011
	Warranty Card (by region)	Carry Bag	P/N: 5J.J3T09.001
	VGA(D-sub 15pin) Cable		

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

*Each region has different wireless dongle P/N, please check PM-BM file for detail.
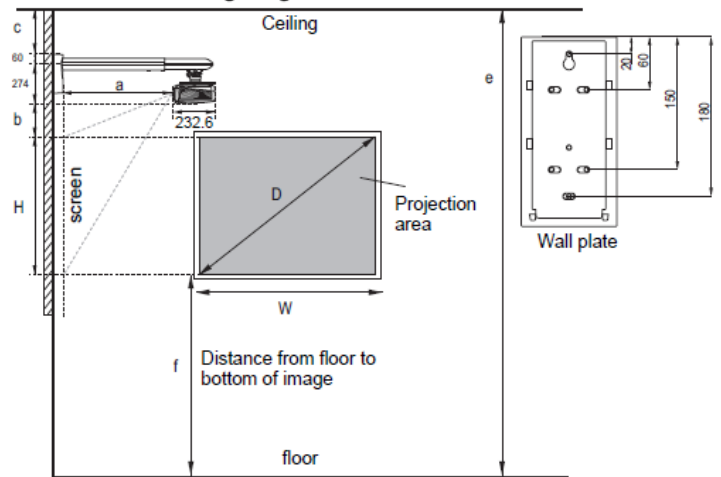
Distance Chart

| (a) Screen size | | | Projected picture size | | (b) Distance | (c) Vertical |
| Diagonal | | Height | Width | Height | Width | from screen | offset |
Inches	mm	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)
80	2032	1077	1723	1077	1723	842	54
100	2540	1346	2154	1346	2154	1053	67
120	3048	1615	2585	1615	2585	1263	81
150	3810	2019	3231	2019	3231	1579	101
180	4572	2423	3877	2423	3877	1895	121
200	5080	2692	4308	2692	4308	2105	135
220	5588	2962	4739	2962	4739	2316	148
240	6096	3231	5169	3231	5169	2526	162
270	6858	3635	5816	3635	5816	2842	182
300	7620	4039	6462	4039	6462	3158	202

Wall mount/Ceiling mount Chart

Computer Resolution: WXGA Image Resolution: WXGA	Diagram Reference	SMART Board 685	Promethean ActivBoard 387	Hitachi FX-TRIO-88W	Hitachi FX-DUO-88W
Image Diagonal (inches)	D	87	87	88	88
Image Height (mm)	H	1171	1171	1181	1181
Image Width (mm)	W	1874	1874	1887	1887
Distance from floor to bottom of image (mm)	f	900	900	900	900
Distance from screen surface to projector lens (mm)	a	916	916	926	926
Distance from top case to the top of image(mm)	b	1182	1182	1192	1192
Distance from top of wall mount to ceiling (mm)	c	50	50	50	50
Minimum Ceiling Height (mm)	e	3587	3587	3607	3607

Minimum Ceiling Height (mm) = f + H + b + 60 + 274+ c

• The dimensions are based on the BenQ wall mount (P/N: 5J.J4R10.001).

Dimension

232.6mm

287.3mm

114.4mm