

Model Name **MH684 Digital Projector**

Distance Chart

Unique selling point

- * 3500ANSI Lumen High Brightness
- * 13000:1 High Contrast Ratio
- * Blu-ray Full HD 3D support
- * MHL Mirror the Screen of Smart Device
- * Wireless Presentation via Your Smart Device by QCast^(optional)

Trade Mark



Projection System	DLP	
Native Resolution	1080p (1920x 1080)	
Brightness	3500 AL	
Contrast Ratio	13000:1	
Display Color	1.07 Billion Colors	
Lens	F=2.59~2.91, F#=16.87~21.87mm	
Aspect Ratio	Native 16:9 (5 aspect ratio selectable)	
Throw Ratio	1.15-1.5(Wide 78.5" ±3% @ 2m)	
Image Size (Diagonal)	60"~180"	
Zoom Ratio	1.3:1	
Lamp Type	240W	
Lamp(Normal/Economic/SmartEco Mode)*	3000/4500/6500 hours	
Keystone Adjustment	2D, Horizontal +/- 30 degrees, Vertical +/- 30 degrees	
Projection Offset	120%±5%	
Projection Support	VGA(640 x 480) to WUXGA(1920 x 1200)*RB-Reduced blanking	
Horizontal Frequency	15~102KHz	
Vertical Scan Rate	24~120Hz	
Compatibility	HDTV Compatibility	480i, 480p, 576i, 576p, 720p, 1080i, 1080p
	Video Compatibility	NTSC, PAL, SECAM
	3D Compatibility	Frame Sequential: Up to 60Hz 720p (Please refer to User Manual for detailed support timing.) Frame Packing: Up to 24 Hz 1080p Side by Side: Up to 24Hz 1080p Top Bottom: Up to 60Hz 1080p

Interface	Computer in (D-sub 15pin)	x1
	Monitor out (D-sub 15pin)	x1
	Composite Video in (RCA)	x1
	S-Video in (Mini DIN 4pin)	x1
	HDMI	x2 (HDMI with MHL2.0 x1, HDMI x 1)
	MHL	x1 (HDMI with MHL2.0)
	Audio in (RCA)	x1
	Audio in (Mini Jack)	x1
	Audio out (Mini Jack)	x1
	Speaker	10W x 1
	USB (Type mini B)	x1 (Download)
	USB (Type A)	x1 (Charger)
RS232 (DB-9pin)	x1	
IR Receiver	x2 (Front+Rear)	

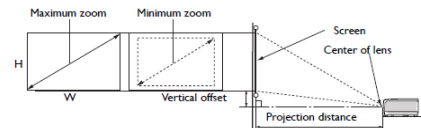
Dimensions	Dimensions(W x H x D)	314.2x116x216.3mm (include feet) 314.2x102x216.3mm (exclude)
	Weight	3.3 kg(7.28 lbs)
	Power	AC100 to 240 V, 50 to 60 Hz
Power	Power Consumption (typ.)	270 W(Normal), 220 W(Eco), Standby <0.5W
	Power Management Function	Automatic power off after 20 minutes without a display source.

Audible Noise (typ.)	35/30 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	**Bright / Presentation / sRGB / Cinema / (3D) / User 1 / User 2
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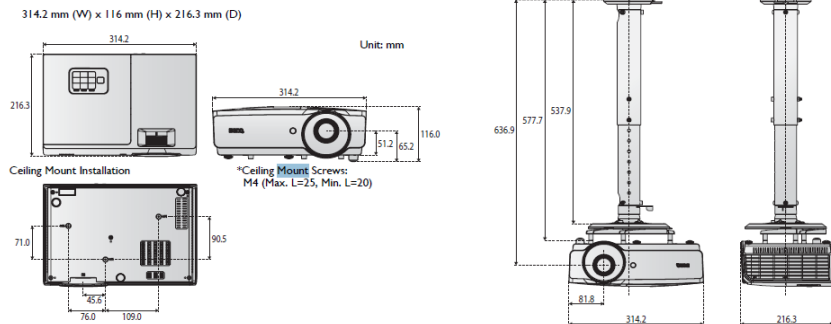
Accessories	Standard	Optional
	Lens Cover	Spare Lamp Kit
	Remote Control w/ Battery	Ceiling Mount
	Power Cord (by region)	3D Glasses
	User Manual CD	***Video Streaming Dongle - Qcast
	Quick Start Guide	Carry bag
	Warranty Card (by region)	
	VGA(D-sub 15pin) Cable	

Screen size			Distance from screen [mm]				Offset [mm]
Diagonal [mm]	Width [mm]	Height [mm]	Min. Dist. [mm]	Average	Max. Dist. [mm]	A [mm]@ 16:9 ratio	
50	1270	710	423	1273	1841	1649	93
60	1524	850	517	1528	2253	1979	112
70	1778	1000	612	1782	2666	2309	131
80	2032	1150	706	2037	3080	2639	149
90	2286	1300	801	2291	3493	2969	168
100	2540	1450	895	2546	3907	3299	187
110	2794	1600	990	2800	4321	3629	205
120	3048	1750	1084	3055	4735	3959	224
130	3302	1900	1179	3310	5149	4289	243
140	3556	2050	1273	3564	5563	4619	262
150	3810	2200	1368	3819	5977	4949	280
160	4064	2350	1462	4073	6391	5279	299
170	4318	2500	1557	4328	6805	5609	318
180	4572	2650	1651	4583	7219	5939	336
190	4826	2800	1746	4837	7633	6269	355
200	5080	2950	1841	5092	8047	6599	374
230	6334	3550	2235	6346	9901	8046	467
300	7638	4350	2730	7650	12155	9896	560

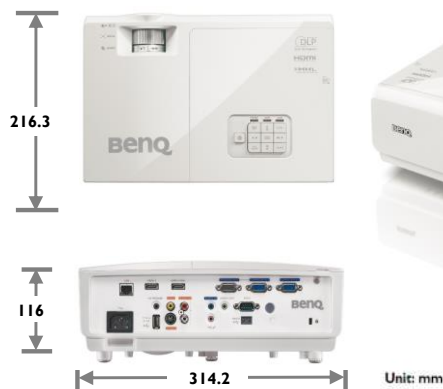


The screen aspect ratio is 16:9 and the projected picture is 16:9.

Wall mount/Ceiling mount Chart



Dimension



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

** Default mode is Presentation. When 3D is on, Picture Modes only shows 3D. When 3D is off, it is not shown in Picture Modes.

*** E sku is hard bundle with Qcast