

# TH683

## Digital Projector



### Features

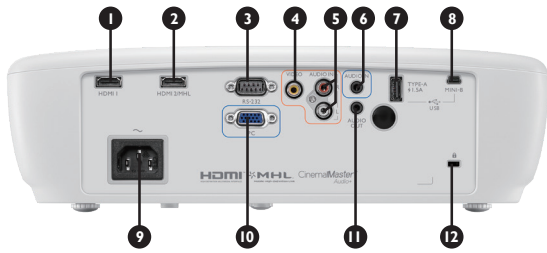
- Football Mode for Brilliant Audiovisual Experience
- Native 1080P Full HD
- Up to 3200 Lumens



### Product Specifications

<b>Projection System</b>	DLP		
<b>DMD size</b>	0.65"		
<b>Native Resolution</b>	1080p (1920 x 1080)		
<b>Brightness</b>	3,200 ANSI Lumens		
<b>Contrast Ratio</b>	10,000 : 1		
<b>Display Color</b>	1.07 Billion Colors		
<b>Lens</b>	F=2.59~2.87, f=16.88~21.88		
<b>Aspect Ratio</b>	Native 16 : 9 (5 aspect ratio selectable)		
<b>Throw Ratio</b>	1.15~1.5		
<b>Image Size (Clear Focus / Maximum)</b>	60"~180" / 300"		
<b>Zoom Ratio</b>	1.3x		
<b>Lamp Type</b>	210W		
<b>Lamp Mode (Normal / Eco / SmartEco)</b>	3,500 / 5,000 / 7,000 hours		
<b>Keystone Adjustment</b>	Vertical ± 40 degrees		
<b>Projection Offset</b>	1.15% + -5%		
<b>Resolution Support</b>	VGA (640 x 480) to WUXGA (1920 x 1200)		
<b>Horizontal Frequency</b>	15K~102KHz		
<b>Vertical Scan Rate</b>	23~120Hz		
<b>Color Wheel Segment</b>	6-seg. RGBYCW		
<b>Color Wheel Speed</b>	2X		
<b>Compatibility</b>	HDTV Compatibility 480i, 480p, 576i, 567p, 720p, 1080i, 1080p Video Compatibility NTSC, PAL, SECAM, SDTV (480i/576i), EDTV (480p/576p, HDTV (720p, 1080i/p 60Hz)		
<b>Interface</b>	Computer in (D-sub 15pin)	x 1	USB (Type A) x 1 (5V/1.5A power supply)
	HDMI (v1.4a)	x 2	USB (Type Mini B) x 1
	Composite Video in (RCA)	x 1	RS232 (DB-9pin) x 1
	Component Video in	x 1	
	Audio in (Mini Jack)	x 1	
	Audio L/R in (RCA)	x 1	
	Audio out (Mini Jack)	x 1	
	Speaker	x 1	10W +Maxx
<b>Typical Power Consumption</b>	270W		
<b>Stand-by Power Consumption</b>	< 0.5W		
<b>Noise Level (Normal / Economic Mode)</b>	34 / 29 dBA		
<b>Operating Temperature</b>	0~40°C		
<b>Power Supply</b>	AC 100 to 240V, 50 / 60 Hz		
<b>Dimensions (W x H x D)</b>	346.24 x 101.70 x 214.81 mm		
<b>Product Weight</b>	2.75 kg		
<b>Accessories</b>	<b>Standard</b>	<b>Optional</b>	
	Remote Control with Battery	Carry Bag (BenQ PN 5JJ4N09.001)	
	Power Cord (by region) (1.8M)	Spare Lamp Kit	
	User Manual CD (25L)	Wireless FHD Kit	
	Quick Start Guide (19L)		
	Warranty Card (by region)		
	VGA (D-sub 15pin) Cable		
<b>On Screen Display Language</b>	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)		

## Input and Output Terminals



- 1 HDMI 1 input port
- 2 MHL / HDMI 2 dual mode port
- 3 RS-232 control port
- 4 Video input jack
- 5 Audio (L/R) input jacks
- 6 Audio input jack
- 7 USB type-A 1.5A
- 8 USB mini-B
- 9 AC Power cable inlet
- 10 Computer Input (D-sub 15pin, Female)
- 11 Audio output jack
- 12 Kensington anti-theft lock slot

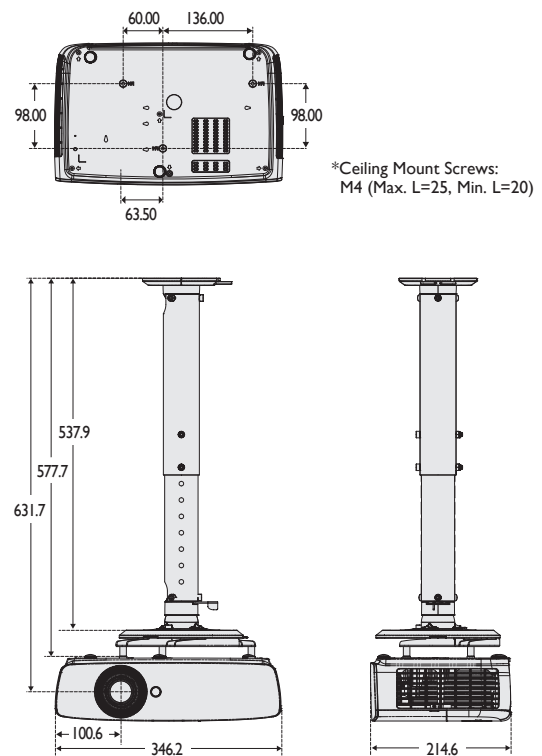
## Dimensions



## Distance Chart

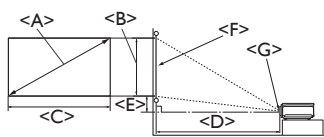
Screen dimensions				Projection distance <D> (mm)			Offset (full height definition) <E> (mm)
Diagonal <A>		Height <B>	Width <C>	Min. distance with max zoom	Average	Max. distance with min zoom	
inch	mm	mm	mm				
50	1270	623	1107	1273	1461	1649	93
60	1524	747	1328	1528	1753	1979	112
70	1778	872	1550	1782	2046	2309	131
80	2032	996	1771	2037	2338	2639	149
90	2286	1121	1992	2291	2630	2969	168
100	2540	1245	2214	2546	2922	3299	187
110	2794	1370	2435	2800	3214	3628	205
120	3048	1494	2657	3055	3507	3957	224
130	3302	1619	2878	3310	3799	4288	243
140	3556	1743	3099	3564	4091	4618	262
150	3810	1868	3321	3819	4383	4948	280
160	4064	1992	3542	4073	4676	5278	299
170	4318	2117	3763	4328	4968	5608	318
180	4572	2241	3985	4583	5260	5937	336
190	4826	2366	4206	4837	5552	6267	355
200	5080	2491	4428	5092	5844	6597	374
250	6350	3113	5535	6365	7306	8245	467
300	7620	3736	6641	7638	8767	9896	560

## Ceiling Mount Chart



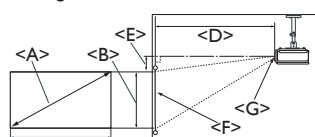
Unit: mm

### Floor Installation



<F>: Screen      <G>: Center of lens

### Ceiling Installation



<F>: Screen      <G>: Center of lens

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