

Procure



**Powered By Choice,
Driven By You.**

BenQ TH685I Specs

Image Display

Display System	DMD DLP
Native Chip Resolution	1920 x 1080 (Full HD)
Supported Resolutions	Maximum: WUXGA - 1920 x 1200
Maximum Brightness	3500 Lumens (ANSI)
Offset	105%
Aspect Ratio	Native: 16:9
Dynamic Contrast Ratio	10,000:1
DLP Link 3D	Yes
Supported 3D Formats	Frame Sequential (up to 720p) Frame Packing (up to 1080p) Side by Side (up to 1080p) Top Bottom (up to 1080p)
Color Wheel	6-Segment (RGBWYC)
Color Depth	10-Bit (1.07 Billion Colors)
Scan	Horizontal: 15 to 102 kHz

Vertical: 23 to 120 Hz

Lens

Focus	Manual
Lens	f/1.94 - 2.07 (f = 11.9 - 15.5 mm)
Lens Shift	Vertical: $\pm 5\%$
Optical Zoom	Manual: 1.3x
Throw Distance	29.449 - 381.732" / 74.8 - 969.6 cm
Throw Ratio	1.13 to 1.46:1 (100" Screen Size @ / 2.4 m)
Projection Size	30 - 300" / 76.20 - 762.00 cm

Features

Keystone Correction	Auto-Vertical: $\pm 30^\circ$
Supported HDR Input Formats	HDR10, Hybrid Log Gamma
Ceiling Mountable	Yes
Rear Screen Projection	Yes
Built-In Speaker	Yes (Mono)

Speaker Power	5W
---------------	----

Input/Output Connectors

Inputs/Outputs	2 x HDMI (HDMI Type-A) Audio, Video Input 1 x VGA (DE-15/DB-15) Video Input 1 x VGA (DE-15/DB-15) Video Output 1 x 1/8" / 3.5 mm Mini Audio Input 1 x 1/8" / 3.5 mm Mini Audio Output 1 x USB 2.0 (USB Type-A) Power Output 1 x RS-232 (DE-9/DB-9) Control
----------------	---

HDCP Support	Version 2.2
--------------	-------------

Hardware

Wireless LAN / Wi-Fi	Yes, with Included Adapter
----------------------	----------------------------

General

Light Source	Lamp
Lamp Power	245 W
Expected Lamp Life	Full Brightness: 4000 Hours Medium Brightness: 10,000 Hours Low Brightness: 15,000 Hours
Fan Noise	Full Brightness: 35 dB

Low Brightness: 29 dB

Security

Cable Lock Slot
Security Bar

Supported Languages

Arabic
Bulgarian
Croatian
Czech
Danish
Dutch
English
Finnish
French
German
Greek
Hindi
Hungarian
Indonesian
Italian
Japanese
Korean
Norwegian
Persian
Polish
Portuguese
Romanian
Russian
Simplified Chinese
Spanish
Swedish
Thai
Traditional Chinese
Turkish
Vietnamese

AC Input Power

100 to 240 VAC, 50 / 60 Hz at 3.8 A

Power Consumption

Full Brightness: 340 W
Medium Brightness: 297 W

Low Brightness: 206 W
Standby Mode (Lamp Off): < 0.5 W

Operating Altitude	0.00 to 9842' / 0 to 3000 m
Operating Temperature	32 to 104°F / 0 to 40°C
Storage Temperature	-4 to 140°F / -20 to 60°C
Operating Humidity	10 to 90%
Storage Humidity	10 to 90%
Dimensions (W x H x D)	12.3 x 4.3 x 8.9" / 312.0 x 110.0 x 225.0 mm
Weight	6.2 lb / 2.8 kg