TH685

BenQ DLP Projector



Features

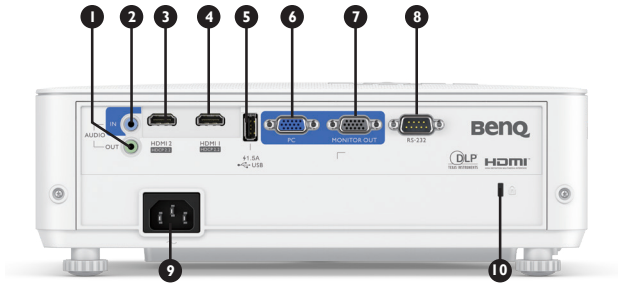
- 3500AL High Brightness for Living Room Environment
- 95% Rec.709 coverage with optimized Color Wheel
- HDR Compatible - Hyper-Realistic Video Quality with projector-optimized HDR10 and HLG
- Flexible Inatllation with 1.3x Zoom & TR 1.13~1.46
- Fast Mode for 8.3ms Low Input Lag mode
- 5W Immersive Chamber Speaker with fine-tuned EQ mode
- Support LUMIEXPERT Ambient light sensor

Product Specifications

Projection System	DLP
DMD type	0.48"
Native Resolution	1920 x 1080 pixels, 16 : 9
Brightness	3,500 ANSI Lumens
Contrast Ratio*	10,000 : 1
Display Color	30 Bits (1,07 billion colors)
Aspect Ratio	Native 16 : 9 (3 aspect ratios selectable)
Light Source	Lamp
Light Source life**	Normal: 4,000 hours / Economic: 10,000 hours / Smart Eco: 8,000 hours / Lamp save:15,000 hours
Throw Ratio	1.13~1.46 (100" @ 2.43 m)
Zoom Ratio	1.3X
Keystone Correction	1D,Vertical ± 30 degrees
Projection Offset	105%
Digital Lens Shift	Vertical +/-5%
Projection Size (Clear Focus / Maximum)	60"~200" / 30"~300"
Built-in Speaker	5W Chamber speaker x 1
Picture Mode	Bright / Living Room / Cinema / Sports / Game / (3D)* / User 1 / User 2
Color Wheel Segment	6 segment (RGBWYC)
Color Wheel Speed	2X(2D/3D, 50Hz/60Hz) , 3D max 144Hz
Security	Security Bar, Kensington lock
Feature	8.3ms Low Input Lag, Game picture mode, HDR10/HLG compatible, Digital Lens Shift
Resolution Support	VGA (640 x 480) to WUXGA (1920 x 1200)
Horizontal Frequency	15K-102KHz
Vertical Scan Rate	23-120Hz
HDTV Compatibility	720p 50/60Hz, 1080i 50/60Hz, 1080p 24/25/30/50/60Hz, 2160p 23/24/25/30/60Hz
Power Consumption (Max / Normal / Eco)	340W / 297W / 206W
Standby Power Consumption	0.5W Max. at 100 ~ 240VAC
Power Supply	VAC 100 ~ 240 (50/60Hz)
Product Dimensions (W x H x D)	312 x 110 x 225 mm
Product Weight	2.79 kg
Noise Level (Normal / Eco)	35 / 29 dBA
Operating Temperature	0~40 degrees (Celsius)
Accessories (Standard)	Remote Control - RCV013 w/ AAA Battery x 2 (5J.JGY06.001) Power Cord (by region) x 1 Quick Start Guide (21L) (4J.JL801.002) Warranty Card (by region)
Accessories (Optional)	Spare Lamp Kit (5J.JKX05.001) 3D Glasses
On Screen Display Language	Arabic / Bulgarian / Croatian / Czech / Danish / Dutch / English / Finnish / French / German / Greek / Hindi / Hungarian / Italian / Indonesian / Japanese / Korean / Norwegian / Persian / Polish / Portuguese / Romanian / Russian / Simplified Chinese / Spanish / Swedish / Turkish / Thai / Traditional Chinese / Vietnamese (30 Languages)

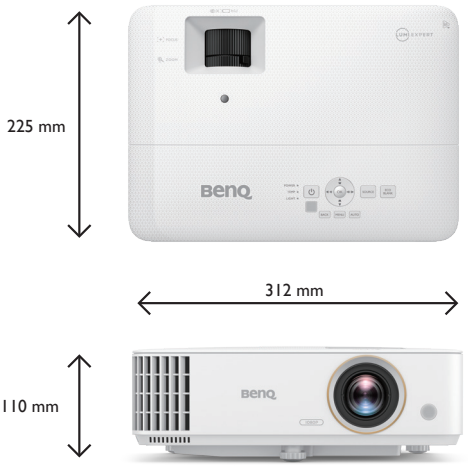
** The Contrast is measured by Full On Full Off standard.
***Lamp life results will vary depending on environmental conditions and usage. Actual product's features and specifications are subject to change without notice.

Input and Output Terminals

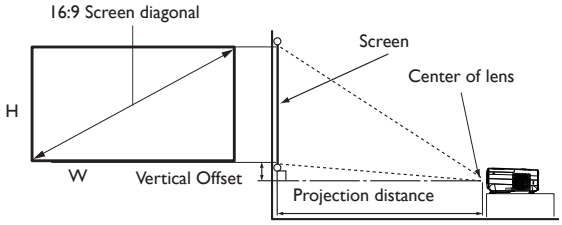


1. Audio output (mini jack)
2. Audio input (mini jack)
3. HDMI-2
4. HDMI-1 / MHL
5. USB Type A (1.5A power)
6. Computer input (D-sub 15pin, Female)
7. Computer input (D-sub 15pin, Female)
8. RS232 input (D-sub 9pin, male)
9. AC Power cable inlet
10. IR Receiver (Front+Rear)

Dimensions



Distance Chart

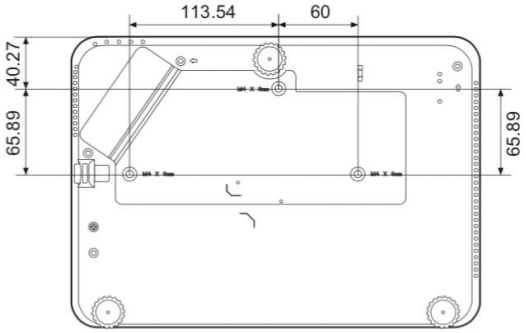


Screen Size				Distance from Screen			Offset (mm)
Diagonal		Height	Width	Min length (max zoom)	Average	Max length (min zoom)	
inch	mm	mm	mm	mm	mm	mm	mm
30	762	374	664	750	863	976	19
40	1016	498	886	1001	1151	1302	25
50	1270	623	1107	1251	1439	1627	31
60	1524	747	1328	1501	1727	1953	37
70	1778	872	1550	1751	2015	2278	44
80	2032	996	1771	2001	2302	2603	50
90	2286	1121	1992	2251	2590	2929	56
100	2540	1245	2214	2502	2878	3254	62
110	2794	1370	2435	2752	3166	3580	68
120	3048	1494	2657	3002	3454	3905	75
130	3302	1619	2878	3252	3741	4231	81
140	3556	1743	3099	3502	4029	4556	87
150	3810	1868	3321	3752	4317	4881	93
160	4064	1992	3542	4003	4605	5207	100
170	4318	2117	3763	4253	4893	5532	106
180	4572	2241	3985	4503	5180	5858	112
190	4826	2366	4206	4753	5468	6183	118
200	5080	2491	4428	5003	5756	6509	125

• The screen aspect ratio is 16:9 and the projected picture is in a 16:9 aspect ratio

Ceiling Mount Chart

Unit : mm



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