



BenQ DLP Projector TH685

Feature Highlight

- 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 Inflation 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



Display

Projection System	DLP
DMD type	0.48"
Native Resolution	1920 x 1080 pixels, 16:9
Brightness	3500 ANSI Lumens
Contrast Ratio**	10,000:1
Display Color	30 Bits (1.07 billion colors)
Aspect Ratio	Native 16:9 (3 aspect ratio selectable)
Light Source	Lamp
Light Source Life***	Normal: 4000h Economic: 10000h Smart Eco: 8000h Lamp save: 15000h

Optical

Throw Ratio	1.13-1.46 (100" @ 2.43 m)
Zoom Ratio	1.3X
Keystone Correction	Auto 1D Vertical ± 30 degrees
Projection Offset	105%
Digital Lens Shift	Vertical +/- 5%
Projection Size (Clear Focus / Maximum)	60"-200" / 30"-300"

Audio

Built-in Speaker	5W Chamber speaker x 1
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Picture

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

Special Feature

Security	Security Bar, Kensington lock
Feature	8.3ms Low Input Lag, Game picture mode, HDR10/HLG compatible, Digital Lens Shift

Compatibility

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
Video Compatibility	N/A

Power

Power Consumption(Max/Normal/Eco)	Max 340W, Normal 297W, Eco 206W
Standby Power Consumption	0.5W Max. at 100 ~ 240VAC
Power Supply	VAC 100 ~ 240 (50/60Hz)

Dimension and Weight

Product Dimensions (WxHxD)	W312.0 * D225.0 * H110.0 mm
Product Weight	2.79 kg

Operation Condition

Noise Level(Normal/Eco)	35/29dBA
Operating Temperature	0-40 degrees (Celsius)

Accessories

Accessories (Standard)	Remote Control - RCV013 w/ AAA Battery x 2 (SJJGY06.001) Power Cord (by region) x 1 Quick Start Guide (21L) (4JL801.002) Warranty Card (by region)
Accessories (Optional)	Spare Lamp Kit (SJJKX05.001) 3D Glasses

OSD

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)
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Environment Notice

** 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.



Connectivity



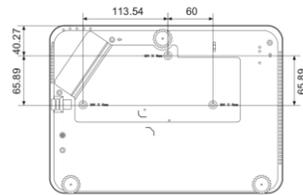
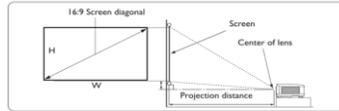
		Qty
1	HDMI-1	1
2	HDMI-2	1
3	USB TypeA(1.5A power)	1
4	Computer In (D-sub 15pin, Female)	1
6	Monitor out (D-sub 15pin, Female)	1
7	RS232 In (D-sub 9pin, male)	1
8	Audio in (mini jack)	1
9	Audio out (mini jack)	1
10	IR Receiver (Front+Rear)	2

Installation

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

Diagonal	Screen size		Projection Distance (mm)			Offset (mm)
	Inch	mm	H (mm)	W (mm)	Average	
30	762	374	664	750	863	19
40	1016	498	886	1001	1151	25
50	1270	623	1107	1251	1439	31
60	1524	747	1328	1501	1727	37
70	1778	872	1550	1751	2015	44
80	2032	996	1771	2001	2302	50
90	2286	1121	1992	2251	2590	56
100	2540	1245	2214	2502	2878	62
110	2794	1370	2435	2752	3166	68
120	3048	1494	2657	3002	3454	75
130	3302	1619	2878	3252	3741	81
140	3556	1743	3099	3502	4029	87
150	3810	1868	3321	3752	4317	93
160	4064	1992	3542	4003	4605	100
170	4318	2117	3763	4253	4893	106
180	4572	2241	3985	4503	5180	112
190	4826	2366	4206	4753	5468	118
200	5080	2491	4428	5003	5756	125
210	5334	2615	4649	5253	6044	131
220	5588	2740	4870	5504	6331	137
230	5842	2864	5092	5754	6619	143
240	6096	2989	5313	6004	6907	149
250	6350	3113	5535	6254	7195	156
260	6604	3238	5756	6504	7483	162
270	6858	3362	5977	6754	7770	168
280	7112	3487	6199	7004	8058	174
290	7366	3611	6420	7255	8346	181
300	7620	3736	6641	7505	8634	187

Projection dimensions



Feature icons

