



BenQ DLP Projector

AH700ST

Feature High Light

- * Laser light source 4000 ANSI Lumens
- * Short Throw 0.69~0.83 & Motor Zoom x1.2
- * Auto focus and Auto Screen Fit
- * 2D keystone & Corner fit
- * Default Golf Mode
- * Mobile Wi-Fi Ready



Display

Projection System	DLP Single	
DMD type	0.65" 1080P	215709057
Native Resolution	1920*1080 pixels	
Brightness	4000 ANSI Lumens	
Contrast Ratio*	3,000,000:1	
Display Color	30 Bits (1.07 billion colors)	
Aspect Ratio	Native 16:9 (5 aspect ratio selectable)	
Light Source	Laser	
Light Source life*	20,000/ 30,000 (Normal/Eco)	

Optical

Throw Ratio	0.69~0.83 (95"±3% @ 1.44m)
Zoom Ratio	1.2x (by Motor zoom)
Lens Control	Motor zoom & Auto Focus
Lens shift	NA
Keystone Correction	2D keystone, V: ±20 degree; H: ±20 degree
Projection Offset	102.5%±2.5%
Projection Size	60" ~ 120"

Audio

Built-in Speaker	10W x1
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Special Feature

Security(anti-theft)	Kensington Security Bar
Feature	Auto screen fit, Auto Focus, 0.69 Short throw, 1.2x motor zoom, 2D keystone & Corner fit, Golf mode, Wifi Solution, screen fill, 1080P
Dust Proof level(IP certificate)	IP5X

Compatibility

Resolution Support	VGA(640 x 480) to 1920x1080
Horizontal Frequency	15K~135KHz
Vertical Scan Rate	23 ~120 Hz
HDTV Compatibility	480i, 480p, 576i, 567p, 720p, 1080i, 1080p
Video Compatibility	NA

Power

Power Consumption(Max/Normal/Eco)	320W/192W/136W (@110V)
Standby Power Consumption	Normal < 0.5W
Power Supply	100 ~ 240V AC

Dimension and Weight

Product Dimensions (WxHxD)	303.5 (W) x 234.5 (L)x 112.4 (H) mm
Product Weight	3.3 Kg +/- 100g (7.28 lbs + 0.22 lbs)

Operation Condition

Noise Level(Normal/Eco)	32/29 dBA
Operating Temperature	0 ~ 40°C

Accessories

Accessories (Standard)	Remote Control (RCA012/5J.JSS06.001) Power Cord(1.8M) Quick Start Guide Warranty Card (by Region) Regulatory statement hard copy
Accessories (Optional)	Carry Bag (4G.16602.002) Ceiling mount (CMG3) Wireless USB Dongle (EZC5201BS/5J.JPT28.001)

OSD

On Screen Display Language	Bulgarian/ Croatian/ Czech/ Danish/ Dutch/ English/ Finnish/ French/ German/ Greek/ Hindi/ Hungarian/ Italian/ Japanese/ Korean/ Norwegian / Polish/ Portuguese/ Romanian/ Simplified Chinese/ Spanish/ Swedish/ Traditional Chinese/ (23 languages)
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Environment Notice

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

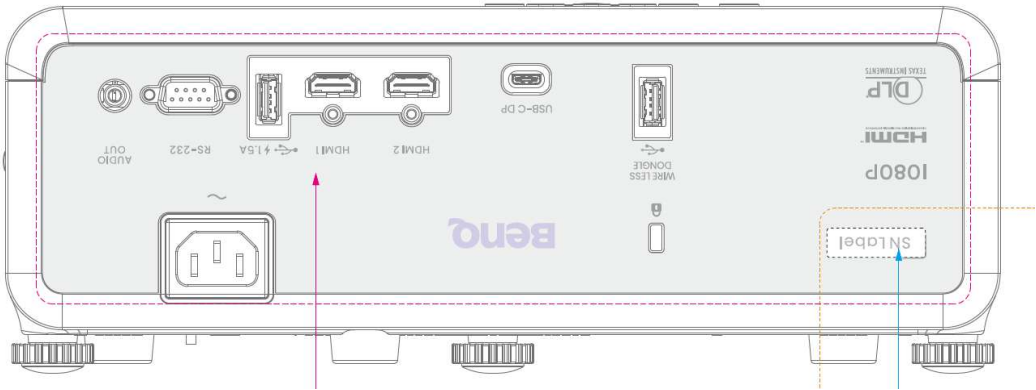
* The Contrast is measure by Full On Full Off standard.



Connectivity

Connectivity

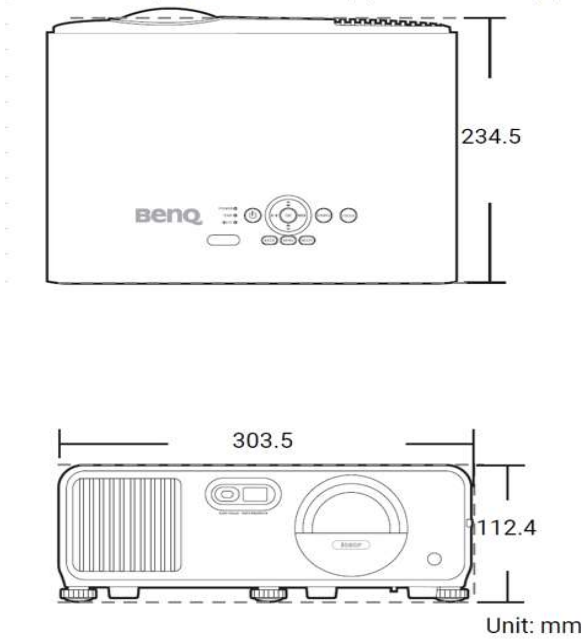
Connectivity



		Quantity
1	HDMI-1 (HDMI 2.0 (HDCP 1.4/2.2))	1
2	HDMI-2 (HDMI 2.0 (HDCP 1.4/2.2))	1
3	USB-I TypeA (1.5A power/FW upgrade)	1
4	USB-I TypeA (WiFi Dongle)	1
5	RS232 In (D-sub 9pin, male)	1
6	Audio out (mini jack)	1
7	Type C (C Input DP(Display) ALT Mode and DC 5V/1A Out)	1
8	IR Receiver (Front+Top)	2
9	Kensington anti-theft lock slot	1
10	Security Bar	1

Dimension (mm)

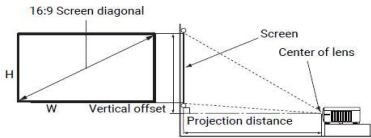
303.5 mm (W) x 234.5 mm (D) x 112.4 mm (H)



Unit: mm

Installation

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



Screen size				Projection distance (mm)			Vertical offset (mm)
Diagonal		H (mm)	W (mm)	Min (Wide)	Average	Max (Tele)	
Inch	mm						
30	762	374	664	458	505	551	9
40	1016	498	886	611	673	735	12
50	1270	623	1107	764	841	919	16
60	1524	747	1328	917	1009	1102	19
70	1778	872	1550	1069	1178	1286	22
80	2032	996	1771	1222	1346	1470	25
90	2286	1121	1992	1375	1514	1654	28
100	2540	1245	2214	1528	1682	1837	31
110	2794	1370	2435	1680	1851	2021	34
115	2921	1432	2546	1757	1935	2113	36
120	3048	1494	2657	1833	2019	2205	37
130	3302	1619	2878	1986	2187	2389	40
140	3556	1743	3099	2139	2355	2572	44
150	3810	1868	3321	2291	2524	2756	47

Screen size				Projection distance (mm)			Vertical offset (mm)
Diagonal		H (mm)	W (mm)	Min (Wide)	Average	Max (Tele)	
Inch	mm						
160	4064	1992	3542	2444	2692	2940	50
170	4318	2117	3763	2597	2860	3124	53
180	4572	2241	3985	2750	3028	3307	56
190	4826	2366	4206	2902	3197	3491	59
200	5080	2491	4428	3055	3365	3675	62
210	5334	2615	4649	3208	3533	3859	65
220	5588	2740	4870	3361	3701	4042	68
230	5842	2864	5092	3513	3870	4226	72
240	6096	2989	5313	3666	4038	4410	75
250	6350	3113	5535	3819	4206	4594	78
260	6604	3238	5756	3972	4374	4777	81
270	6858	3362	5977	4124	4543	4961	84
280	7112	3487	6199	4277	4711	5145	87
290	7366	3611	6420	4430	4879	5329	90
300	7620	3736	6641	4583	5047	5512	93

*To optimize your projection quality, we suggest to do the projection within non-gray area.

