BenQ DLP Projector	**W1800**

Feature Highlight

* True 4K UHD 8.3M Pixel resolution
* Hyper-Realistic Video Quality with projector-optimized HDR10 / HLG
* BenQ CinematicColor™ Technology for supreme colors
* 100% Rec.709 with optimized RGBRGB color wheel
* Short Throw: 100 inches at 2.5 meters
* 3D Keystone
* 3D compatibility

Display

Projection System	DLP
DMD type	0.47"
Native Resolution	4K UHD (3840 x 2160)
Brightness	2000 ANSI Lumens
Contrast Ratio*	10,000:1
Display Color	10 Bits (1,07 billion colors)
Aspect Ratio	Native 16:9 (2 aspect ratio selectable)
Light Source	Lamp
Light Source life*	Normal 4000 hours Economic 10000 hours SmartEco 8000 hours Lamp Save 15000 hours

Optical

Throw Ratio	1.127 - 1.46 (100" @ 2.5 m)
Zoom Ratio	1.3x ±2%
Keystone Correction	2D, (Auto)Vertical, Horizontal Keystone, Picture Rotation +/- 30°
Projection Offset	110%±3%
Projection Size (Clear Focus / Maximum)	60" ~ 200"

Audio

Built-in Speaker	5W x 1

Special Feature

Security	Security Bar
Feature	HDR10 / HLG, 3D, 3D Keystone

Compatibility

Resolution Support	VGA (640 x 480) to 4K UHD (3840 x 2160)
Horizontal Frequency	15K-135KHz
Vertical Scan Rate	23-240Hz
HDTV Compatibility	480i, 480p, 576i, 576p, 720p, 1080i, 1080p, 2160p
Video Compatibility	N/A

Power

Power Comsumption(Max/Normal/Eco)	380W/310W/215W
Standby Power Comsumption	< 0.5W Max. at 100 ~ 240VAC
Power Supply	VAC 100 ~ 240 (50/60Hz)

Dimension and Weight

Product Dimensions (WxHxD)	312mm x 110mm x 246mm (w/ adjustment feet)
Product Weight	3.1kg

Operation Condition

Noise Level(Normal/Eco)	34/28 dBA
Operating Temperature	0~40 degrees (Celcius)

Accessories

Accessories (Standard)	Remote Control w/ Battery x 1 (RCV017) Power Cord (by region) x 1(1.8m) Quick Start Guide Warranty Card (by region)
Accessories (Optional)	BenQ HDMI Video Streaming (QS01) x 1 (5J.JH314.001) Spare Lamp Kit (5J.JNL05.001) 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/ Polish/ Portuguese/ Romanian/ Russian/ Simplified Chinese/Spanish/ Swedish/ Turkish/ Thai/ Traditional Chinese (30 Languages)

*Lamp life results will vary depending on environmental conditions and usage. Actual product's features and specifications are subject to change without notice.
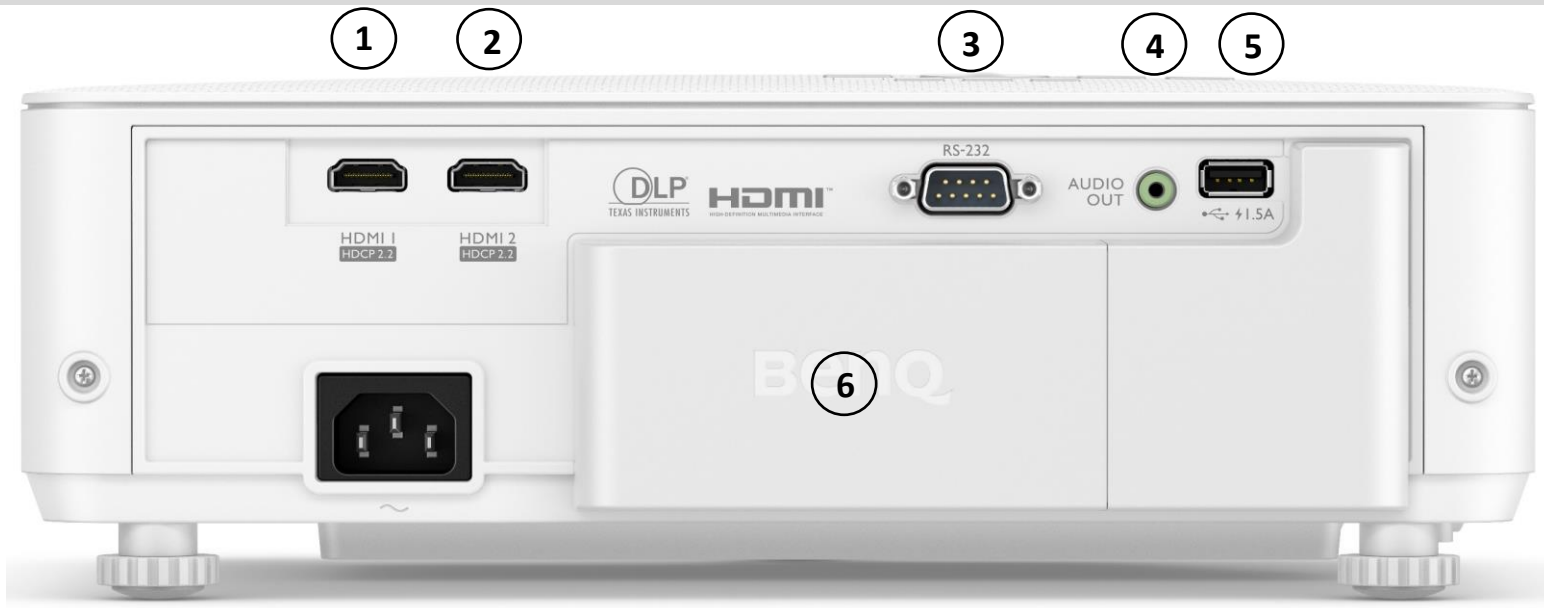
** The Contrast is measure by Full On Full Off standard.
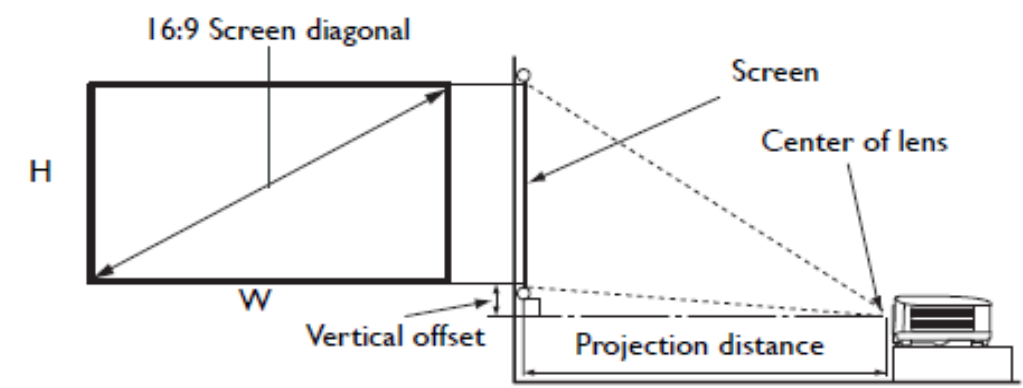
***In 3D Mode:
Resolution is 1920x1080 in 3D Mode.

BenQ

No	I/O Name	Quantity
1	HDMI (2.0b, HDCP2.2)	1
2	HDMI (2.0b, HDCP2.2) - (support Audio R	1
3	RS232 In (D-sub 9pin, male)	1
4	Audio Out (mini jack)	1
5	USB Type A(1.5A power)	1
6	Hidden Space for ATV dongle	
	- HDMI (2.0b, HDCP2.2)	1
	- micro USB cable (5V/1.5A power)	1
7	Kensington anti-theft lock slot	1
8	IR Receiver (Front & Top)	2

Installation

Screen size				Projection distance (mm)			Vertical offset (mm)
Diagonal		H (mm)	W (mm)	Min distance (with max zoom)	Average	Max distance (with min zoom)	
Inch	mm						
30	762	374	664	748	859	970	37
40	1016	498	886	998	1145	1293	50
50	1270	623	1107	1247	1432	1616	62
60	1524	747	1328	1497	1718	1939	75
70	1778	872	1550	1746	2004	2263	87
80	2032	996	1771	1996	2291	2586	100
90	2286	1121	1992	2245	2577	2909	112
100	2540	1245	2214	2495	2864	3232	125
110	2794	1370	2435	2744	3150	3555	137
120	3048	1494	2657	2994	3436	3879	149
130	3302	1619	2878	3243	3723	4202	162
140	3556	1743	3099	3493	4009	4525	174
150	3810	1868	3321	3742	4295	4848	187
160	4064	1992	3542	3992	4582	5171	199
170	4318	2117	3763	4241	4868	5495	212
180	4572	2241	3985	4491	5154	5818	224
190	4826	2366	4206	4740	5441	6141	237
200	5080	2491	4428	4990	5727	6464	249
210	5334	2615	4649	5239	6013	6788	262
220	5588	2740	4870	5489	6300	7111	274
230	5842	2864	5092	5738	6586	7434	286
240	6096	2989	5313	5988	6873	7757	299
250	6350	3113	5535	6237	7159	8080	311
260	6604	3238	5756	6487	7445	8404	324
270	6858	3362	5977	6736	7732	8727	336
280	7112	3487	6199	6986	8018	9050	349
290	7366	3611	6420	7235	8304	9373	361
300	7620	3736	6641	7485	8591	9696	374

16:9 Screen diagonal — Screen — Center of lens — H — W — Vertical offset — Projection distance

312mm

110mm

246mm

Feature icons

DLP TEXAS INSTRUMENTS — 4K HDR | 8.3M PIXEL — CinematicColor Rec.709 — isf ccc — HDMI HIGH-DEFINITION MULTIMEDIA INTERFACE — HDCP2.2