

# W1720

## Digital Projector



### Features

- 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 3.32 meters
- Auto Vertical Keystone Correction
- 3D Compatibility



### Product Specifications

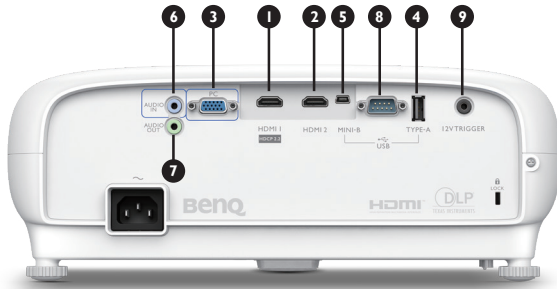
Projection System	DLP
DMD type	0.47"
Native Resolution*	4K UHD (3840 x 2160)
Brightness	2000 ANSI Lumens
Contrast Ratio**	10,000 : 1
Display Color	30 Bits (1.07 billion colors)
Aspect Ratio	Native 16 : 9 (6 aspect ratios selectable)
Light Source	Lamp
Light Source life***	Normal 4,000 hours Economic 10,000 hours SmartEco 8,000 hours Lamp Save 15,000 hours
Throw Ratio	1.50 - 1.65 (100" @ 3.32 m)
Zoom Ratio	1.1X
Keystone Correction	1D, Vertical ± 40 degrees
Projection Offset	110%
Projection Size (Clear Focus / Maximum)	60" ~ 200" / 300"
Built-in Speaker	5W x 1
Security	Security Bar
Features	HDR10 / HLG, 3D, Auto Keystone
Resolution Support	VGA (640 x 480) to 4K UHD (3840 x 2160)
Horizontal Frequency	15K-102KHz
Vertical Scan Rate	23-120Hz
HDTV Compatibility	480i, 480p, 576i, 576p, 720p, 1080i, 1080p, 2160p
Power Consumption (Max / Normal / Eco)	385W / 330W / 245W
Standby Power Consumption	0.5W Max. at 100 ~ 240VAC
Power Supply	VAC 100 ~ 240 (50/60Hz)
Product Dimensions (W x H x D)	353 x 135 x 272 mm
Product Weight	4.2 kg
Noise Level (Normal / Eco)	33dBA / 29dBA
Operating Temperature	0~40 degrees (Celsius)
Accessories (Standard)	Remote Control with Battery Power Cord (3m) User Manual CD Quick Start Guide Warranty Card (by region)
Accessories (Optional)	Spare Lamp Kit 3D Glasses
On Screen Display Language	28 Languages

\* Resolution is 1920 x 1080 in 3D Mode.

\*\* The Contrast is measured by Full On Full Off standard.

\*\*\* Lamp life results will vary depending on environmental conditions and usage.

## Input and Output Terminals



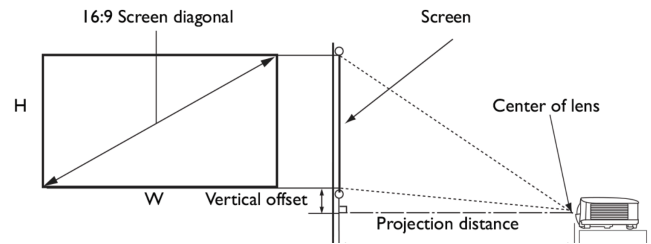
- 1 HDMI-1 (HDMI 2.0 & HDCP 2.2)
- 2 HDMI-2 (HDMI 1.4a & HDCP 1.4)
- 3 Computer input-1 (D-sub 15 pin, Female)
- 4 USB Type A (1.5A power)
- 5 USB Type mini B (Service)
- 6 Audio input (mini jack)
- 7 Audio output (mini jack)
- 8 RS232 input (D-sub 9pin, male)
- 9 DC 12V Trigger (3.5mm Jack)
- 10 IR Receiver (Front+Top)

## Dimensions



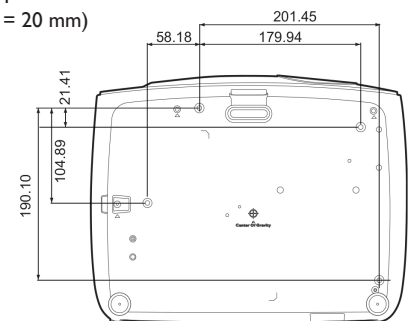
## Distance Chart

Screen size		Distance from screen (mm)					Vertical offset (mm)
Diagonal	H	W	Min length (max. zoom)	Average	Max length (min. zoom)		
inch	mm	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)
30	762	374	664	996	1046	1096	37
40	1016	498	886	1328	1395	1461	50
50	1270	623	1107	1660	1743	1826	62
60	1524	747	1328	1992	2092	2192	75
70	1778	872	1550	2324	2441	2557	87
80	2032	996	1771	2657	2789	2922	100
90	2286	1121	1992	2989	3138	3287	112
100	2540	1245	2214	3321	3487	3653	125
110	2794	1370	2435	3653	3835	4018	137
120	3048	1494	2657	3985	4184	4383	149
130	3302	1619	2878	4317	4533	4749	162
140	3556	1743	3099	4649	4881	5114	174
150	3810	1868	3321	4981	5230	5479	187
160	4064	1992	3542	5313	5579	5844	199
170	4318	2117	3763	5645	5927	6210	212
180	4572	2241	3985	5977	6276	6575	224
190	4826	2366	4206	6309	6625	6940	237
200	5080	2491	4428	6641	6973	7306	249
210	5334	2615	4649	6973	7322	7671	262
220	5588	2740	4870	7306	7671	8036	274
230	5842	2864	5092	7638	8019	8401	286
240	6096	2989	5313	7970	8368	8767	299
250	6350	3113	5535	8302	8717	9132	311
260	6604	3238	5756	8634	9066	9497	324
270	6858	3362	5977	8966	9414	9862	336
280	7112	3487	6199	9298	9763	10228	349
290	7366	3611	6420	9630	10112	10593	361
300	7620	3736	6641	9962	10460	10958	374



## Ceiling Mount Chart

Ceiling mount screw: M4  
(Max L = 25 mm; Min L = 20 mm)  
Unit: mm



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