



BenQ DLP Projector

W5700



- **Feature Highlight**
- True 4K UHD 8.3M Pixel resolution
- HDR10 and HLG
- **HDR Pro : Enhanced Dynamic Range for HDR**
- BenQ CinematicColor™ Technology for supreme colors
- **Factory calibrated 100% Rec.709 and DCI-P3 with optimized RGBRGB color wheel**
- 1.6X big zoom lens and H&V lens shift
- CinemaMaster Video Enhancer (4K MEMC, Detail Enhancement)
- 3D compatibility

Display

Projection System	DLP
DMD type	0.47"
Native Resolution	4K UHD (3840 x 2160)
Brightness	1800 ANSI Lumens
Contrast Ratio*	100,000:1 (w/ Dynamic Iris)
Display Color	30 Bits (1.07 billion colors)
Aspect Ratio	Native 16:9 (3 aspect ratio selectable)
Light Source	Lamp
Light Source life*	Normal 4000 hours Economic 10000 hours SmartEco 8000 hours

Optical

Throw Ratio	1.36 ~ 2.18 (100" @ 3 m)
Zoom Ratio	1.6X
Lens	F/# 1.81~2.1, f 14.3(Wide)~22.9(Tele)
Keystone Correction	1D, Vertical ± 40 degrees
Lens Shift	Vertical: ± 60% / Horizontal: ± 23%
Projection Size (Clear Focus / Maximum)	60" ~ 200" / 300"

Audio

Built-in Speaker	N/A
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Picture

Picture Mode	*** ISF Disabled: Bright / Vivid / Cinema (Rec. 709) / D. Cinema / Silence / 3D / User 1 / HDR / HLG **** ISF Enabled: Bright / Vivid / Cinema (Rec. 709) / D. Cinema/ Silence / ISF Night / ISF Day
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Color Wheel Segment	6 segments
Color Wheel Speed	2D: 24HZ 5X ; 50Hz 2X; 60Hz 2X 3D:100Hz,120HZ

Special Feature

Security	Security Bar
Feature	HDR, HLG, 3D, Motion Enhancer 4K, Pixel Enhancer 4K

Special Feature

HDR10	Yes
HLG	Yes
ISF	Yes
CinemaMaster Video+	Yes (Motion Enhancer 4K, Pixel Enhancer 4K...)
LAN control	Yes

Compatibility

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
Video Compatibility	N/A

Interface

HDMI (2.0b) (HDCP2.2)	x 2
USB 3.0 Type-A port (Media Reader)	x1
USB 2.0 Type-A port (Media Reader)	x1
USB Type-A port (2.5 A power supply)	x1
USB Mini-B port (firmware upgrades)	x1
Audio Out (mini jack)	x1
12V Trigger (3.5mm Jack)	x1
RS232 In (D-sub 9pin, male)	x1
SPDIF audio out	x1
RJ-45 LAN(10/100M)	x1
IR-IN jack	x1

Power

Power Consumption(Max/Normal/Eco)	405W/330W/247W
Standby Power Consumption	0.5W Max. at 100 ~ 240VAC
Network Stand-by Power Consumption	<2W
Power Supply	VAC 100 ~ 240 (50/60Hz)

Dimension and Weight

Product Dimensions (WxHxD)	349mm x 168mm x 492mm
Product Weight	6.5kg

Operation Condition

Noise Level(Normal/Eco)	32dBA / 26dBA
Operating Temperature	0~40 degrees (Celsius)

Accessories

Accessories (Standard)	Remote Control w/ Battery x 1 (RCV016) Power Cord (by region) x 1(3m) User Manual CD (27L) Installation Guide (9L) Warranty Card (by region) Lens cover x 1
Accessories (Optional)	Spare Lamp Kit 3D Glasses Ceiling mount (CMG3)

OSD

On Screen Display Language	28L
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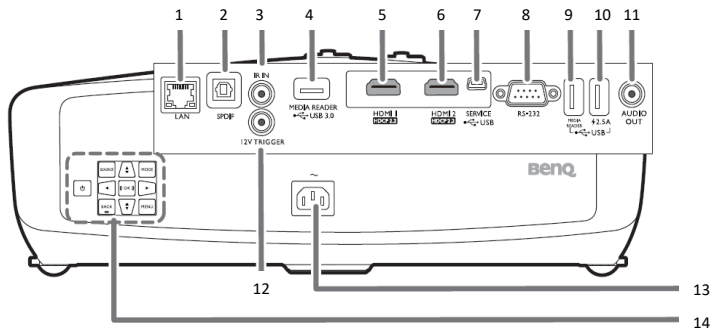
Environment Notice

*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.



Connectivity



No	I/O	Quantity
1	RJ-45 LAN input jack (10/100M)	1
2	SPDIF audio output port	1
3	IR-IN jack	1
4	USB 3.0 Type-A port (Media Reader)	1
5	HDMI-1 (HDMI 1.4b & HDCP 2.2)	1
6	HDMI-2 (HDMI 1.4b & HDCP 2.2)	1
7	USB Mini-B port (firmware upgrades)	1
8	RS232 In (D-sub 9pin, male)	1
9	USB 2.0 Type-A port (Media Reader)	1
10	USB Type-A port (2.5 A power supply)	1
11	Audio Out (mini jack)	1
12	DC 12V Trigger (3.5mm Jack)	1
13	12V DC output terminal	1
14	Keypad	1

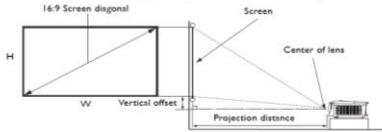
Installation

Screen size				Distance from screen (mm)			Vertical offset (mm)
Diagonal	H (mm)	W (mm)	Min length (min. zoom)	Average	Max length (max. zoom)		
60	1524	747	1328	1800	2348	2896	75
70	1778	872	1560	2100	2739	3378	87
80	2032	996	1771	2400	3130	3861	100
90	2286	1121	1992	2700	3522	4343	112
100	2540	1245	2214	3000	3913	4826	125
110	2794	1370	2435	3300	4304	5309	137
120	3048	1494	2657	3600	4696	5791	149
130	3302	1619	2878	3900	5087	6274	162
140	3556	1743	3099	4200	5478	6757	174
150	3810	1868	3321	4500	5870	7239	187
160	4064	1992	3542	4800	6261	7722	199
170	4318	2117	3763	5100	6652	8204	212
180	4572	2241	3985	5400	7043	8687	224
190	4826	2366	4206	5700	7435	9170	237
200	5080	2491	4428	6000	7826	9652	249

For example, if you are using a 120-inch screen, the recommended projection distance is 4696 mm.

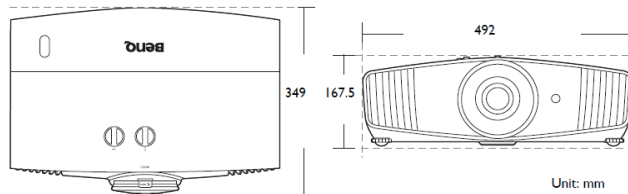
If your measured projection distance is 500 cm, the closest match in the "Distance from screen (mm)" column is 5087 mm. Looking across this row shows that a 130" (about 3.3 m) screen is required.

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



Dimensions

492 mm (W) x 167.5 mm (H) x 349 mm (D)



Feature icons

