



BenQ DLP Projector

W5800

Feature Highlight

- * True 4K UHD 8.3M Pixel
- * 2600lm High Brightness
- * D65 Brightness (100% DCI-P3 & 100% CLO) 1700lm
- * BenQ CinematicColor™ 100% DCI-P3 Wide Color Gamut
- * HDR10/HLG/HDR10+
- * Factory Calibrated Report (Ave.ΔE<2, Max.ΔE<3)
- * 1.6X big zoom lens (Motorized)
- * Wide-range H&V lens shift (Motorized with rectangular shape)



Display

Projection System	DLP
DMD type	0.47"
Native Resolution	4K UHD (3840 x 2160)
Brightness	2600 Lumens
Contrast Ratio*	1000:1 (Wide) ~ 1800:1 (Tele)
Display Color	30 Bits (1.07 billion colors)
Aspect Ratio	Native 16:9 (4 ratios selectable)
Light Source	Laser
Light Source life**	Normal 18,000 hrs Economic 25,000 hrs

Optical

Throw Ratio	1.52~2.45
Zoom Ratio	1.6X (Motorized)
Lens	F/# 2.1 ~ 3.0, f 16.0 (Wide) ~25.7 (Tele) mm
Keystone Correction	2D, Manual Vertical & Horizontal ± 35 degree
Lens Shift	Vertical ±50%, Horizontal ±21% (Motorized with rectangular shape)
Projection Size	60" ~ 200"

Picture

Picture Mode	*** ISF Disabled: Bright / Bright Cinema / Cinema / FILMMAKER MODE / 3D / User / HDR10 / HDR10+ / HLG **** ISF Enabled: Bright / Bright Cinema / Cinema / FILMMAKER MODE / ISF Night / ISF Day
DCI-P3 Coverage (Native)	100%

Special Feature

Motion Enhancer	Yes
Local Contrast Enhancer	Yes
ISF	Yes
Control 4	Yes

Compatibility

Resolution Support	VGA (640 x 480) to 4K UHD (3840 x 2160)
Horizontal Frequency	15K-135KHz
Vertical Scan Rate	23-240Hz
HDTV Compatibility	720@50P/60P, 1080@50/60/24p/25p/30p/50p/60p/120P, 2160@24p/25p/30p/60p

Interface

HDMI-1 (Audio Return+) (HDCP 2.2, TMDs, CEC/ARC/eARC)	x 1
HDMI-2 (HDCP 2.2)	x 1
USB 2.0 Type-A port (SV/2.0A Media Reader/Firmware upgrade)	x 1
USB 2.0 Type-A port (SV/1.5A Media Reader/Firmware upgrade)	x 1
USB Type-B port (SERVICE)	x 1
RS232 In (D-sub 9pin, male)	x 1
SPDIF (Audio Out)	x 1 (5.1 channel audio pass through)
3D Sync out	x 1
RJ-45 LAN (Control 4)	x 1
IR Receiver (Front/Back)	x 2

Power

Power Consumption(Max/Normal/Eco)	450W / 380W / 240W
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 (WxDxH)	525.2x392.2x145.7 mm
Product Weight	10.5 kg

Operation Condition

Noise Level(Normal/Eco)	Typ. 30dBA / 27dBA @ 1m Ta<= 25°C
Operating Temperature	0~40 degrees (Celsius)

Accessories

Accessories (Standard)	Power Cord (by region, 1.8m) x 1 HDMI Cable (3m) x 1 Remote Control(RC V024-5J) (RX06.001) x 1 Battery (for RC) x 2 Calibration Report x 1 Quick Start Guide x 1 Warranty Card (by region) x 1 Regulatory Statements x 1 User Manual E-edition
Accessories (Optional)	3D Glasses Ceiling mount

OSD

On Screen Display Language	4L (English, Traditional Chinese, Simplified Chinese, Hindi)
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Environment Notice

* The Contrast is measure by FOFO standard. (Without WCE)

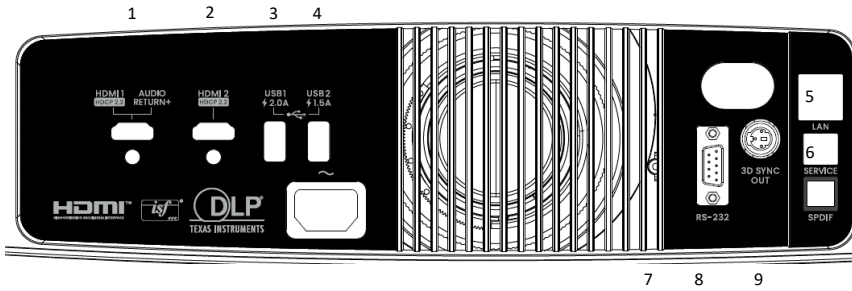
** Light life results will vary depending on environmental conditions and usage. Actual product's features and specifications are subject to change without notice.

*** Default picture mode is **Bright Cinema**

**** When ISF is enable, default picture mode is **ISF Night**.



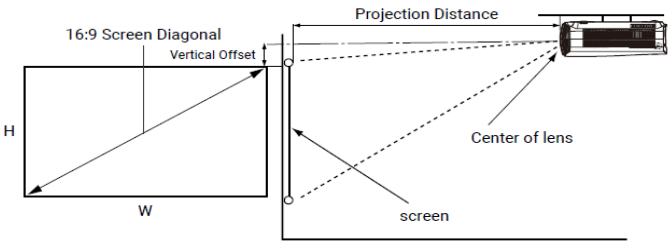
Connectivity



No	I/O	Quantity
1	HDMI (HDCP 2.2, TMDs, CEC/ARC/eARC) (Audio Return+)	1
2	HDMI (HDCP 2.2)	1
3	USB Type-A (5V/2.0A Media Reader/Firmware upgrade)	1
4	USB Type-A (5V/1.5A Media Reader/Firmware upgrade)	1
5	RJ-45 LAN (Control 4)	1
6	USB Type-B (SERVICE)	1
7	RS232 In (D-sub 9pin, male)	1
8	3D Sync out	1
9	SPDIF audio output (5.1 channel audio pass through)	1

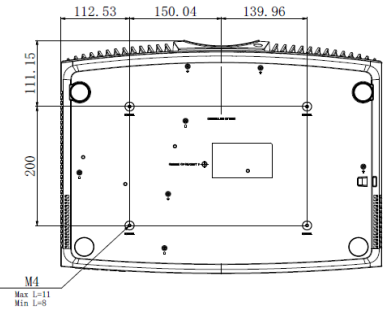
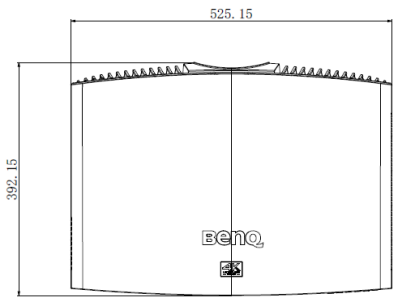
Installation

Screen Size				Distance from screen (mm)			Vertical offset (Lowest/Highest lens position) (mm)
Diagonal Inches	mm	H (mm)	W (mm)	Min length (max. zoom)	Average	Max length (min. zoom)	
60	1524	747	1328	2019	2636	3254	0
80	2032	996	1771	2692	3515	4339	0
95	2413	1183	2103	3197	4174	5152	0
100	2540	1245	2214	3365	4395	5424	0
120	3048	1494	2657	4039	5274	6510	0
150	3810	1868	3321	5048	6592	8136	0
180	4572	2241	3985	6057	7910	9763	0
200	5080	2491	4428	6731	8790	10849	0
250	6380	3113	5535	8413	10987	13561	0
300	7620	3736	6641	10094	13182	16270	0



Dimensions

Color Depth



Feature icons



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