



BenQ DLP Projector

W5800

Feature Highlight

- * True 4K UHD (3840 x 2160)
- * 2600lm High Brightness
- * BenQ CinematicColor™ 100% DCI-P3 Wide Color Gamut
- * HDR10HLG(HDR10+)
- * Factory Calibrated Report
- * 1.6X big zoom lens (Motorized)
- * Wide-range H&V lens shift (Motorized with rectangular shape)



Display

Projection System	DLP
DMD type	0.4"
Native Resolution	4K UHD (3840 x 2160)
Brightness	2600 ANSI Lumens
Contrast Ratio*	2,000,000:1 (w/ Dynamic Black)
Display Color	30 Bits (1.07 billion colors)
Aspect Ratio	Native 16:9 (4 ratios selectable)
Light Source	Blue Laser
Light Source life**	Normal: 30,000 hrs Economic: 25,000 hrs

Optical

Throw Ratio	1.52-2.45
Zoom Ratio	1.6X (Motorized)
Lens	F19.2 ~ 31.0 (1.6X) (Wide) ~35.7 (Tele) mm
Keystone Correction	3D, Manual Vertical & Horizontal ± 35 degree
Lens Shift	Vertical ±50%, Horizontal ±21% (Motorized with rectangular shape)
	40° ~ 200° / 360°

Projection Size (Clear Focus / Mainman)

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

DOLBY Coverage (Native)

100%

Special Feature

Picture Enhancer	Yes
Local Contrast Enhancer	Yes
ISF	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	720p/50/60P, 1080i/50/60/24p/25p/30p/50p/60p/120P, 2160p/24p/25p/30p/60p

Interface

HDMI-1 (Audio Return***) (HDCP 2.2, THD3, CEC/ARC/ARC)	x 1 (5.1/7 channel pass through)
HDMI-2 (HDCP 2.2)	x 1
USB 2.0 Type-A port (DVD SA Media Reader/Firmware upgrade)	x 1
USB 3.0 Type-A port (SVT SA 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	6.5W Max. at 100 ~ 240VAC
Network Standby 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)	30dBA / 27dBA
Operating Temperature	0-40 degrees (Celsius)

Accessories

	Power Cord (by region), 1.8m x 1 HDMI Cable (3m) x 1 Remote Control(RC-V02A.5), (PJ006.000) 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-version
Accessories (Standard)	
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 Content is measured by TOF0 standard. (Without WCE)

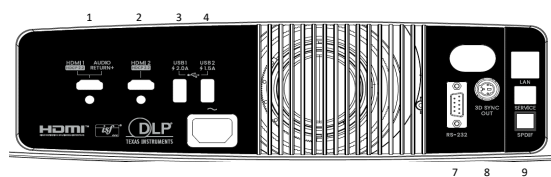
** Light life results will vary depending on environmental conditions and usage. Actual product's features and specifications are subject to change without notice.

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

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



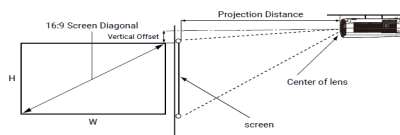
Connectivity



No	I/O	Quantity
1	HDMI (HDCP 2.2, THDS, CEC/ARC/ARC) (Audio Return) (5.1/7.1 channel audio pass through)	1
2	HDMI (HDCP 2.2)	1
3	USB Type-A (SV2.0A Media Reader/Firmware upgrade)	1
4	USB Type-A (SV1.1A Media Reader/Firmware upgrade)	1
5	RS-485 LAN (Control 4) (for RS-C)	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

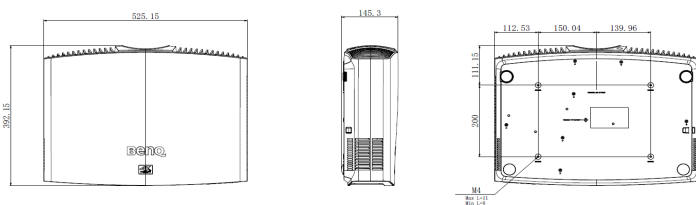
Installation

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



Dimensions

Color Depth



Feature icons

