

# FEATURE HIGHLIGHTS

- 3,600 LM HIGH BRIGHTNESS AND TRUE BLACK
- LASER BLUE CORE FOR 20,000 HOURS MAINTENANCE FREE
- IP5X DUSTGUARD TO PROOF DUST FOR ADVANCED DURABILITY
- 0.63 SHORT THROW RATIO
- EASY FIRMWARE UPDATER VIA LAN TO SIMPLIFY CENTRALIZED NETWORK MANAGEMENT
- WIRELESS PRESENTATION BY QCAST MIRROR / QCAST (OPTIONAL)



## Product Specifications

Projection System	DLP Single 0.55" XGA	
DMD type	DC3 DMD chip	
Native Resolution	1024 x 768 pixels, 4 : 3	
Brightness	3,600 Lumens	
Contrast Ratio*	100,000 : 1	
Display Color	1.07 Billion Colors	
Aspect Ratio	Native 4 : 3 (5 aspect ratio selectable)	
Projection Offset	108.5% (Full-Height)	
Projection Size	56"~86"	
Throw Ratio	0.63	
Zoom Ratio	Fixed	
Lens Control	Manual Focus	
Light Source	Laser	
Light Source life**	min 20,000 hrs	
Keystone Correction	1D keystone, Vertical $\pm$ 30 degrees	
Resolution Support	VGA (640 x 480) to WUXGA_RB (1920 x 1200)	
Horizontal Frequency	15~102KHz	
Vertical Scan Rate	23 ~ 120 Hz	
Compatibility	HDTV Compatibility	480i, 480p, 576i, 567p, 720p, 1080i, 1080p
	Video Compatibility	NTSC, PAL, SECAM
Product Dimensions (W x H x D)	410 x 158 x 272 mm	
Product Weight	5.6 kg	
Power Supply	100 ~ 240V AC	
Power Consumption (Max / Normal / Eco)	286 W / 283 W / 214 W	
Standby Power Consumption	Normal < 0.5 W Network < 2 W	
Noise Level (Normal / Eco)	33 / 29 dBA (without dust filter)	
Operating Temperature	0 ~ 40°C	
Built-in Speaker	10 W	
Security	Kensington anti-theft lock slot	
Feature	Digital zoom (2 x), Digital Shrink (0.75 x), LAN Control, AMX / PJ Link / Crestron / Extron IPL Compatible, MDA Compatibility, Optional Wireless Display, Optional Interactive module (PW02, PT12) compatibility, Optional Dust Filter	
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 (28 Languages)	
Accessories	<b>Standard</b>	<b>Optional</b>
	Power Cord 3m (by region) Remote Control for WW RCE015 (5J,JF06.001) Remote Control for J sku RCE013J (5J,JG06.001) AAA Battery x 2 VGA cable 1.8m Warranty Card (by region) QSG (4J,JJ01.001) User Manual CD (5B,JJ01.001)	Wall mount WM06G3 (5J,J4R10.011) 3D Glasses (5J,J9H25.002) Wireless Dongle: QCast Mirror (5A,JH328.10X) Wireless Dongle: QCast (5J,JCK28.X01) Dust Filter (5J,JF14.001)

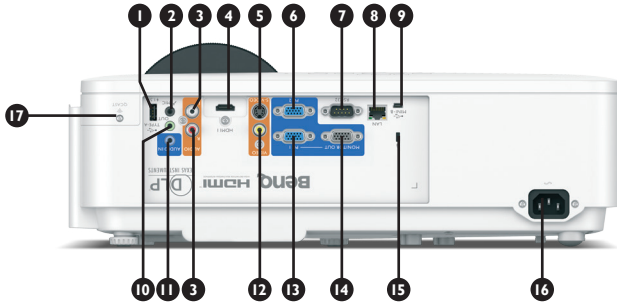
\*The Contrast is measure by Full On Full Off standard.

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

**LX820ST**  
BenQ DLP Projector

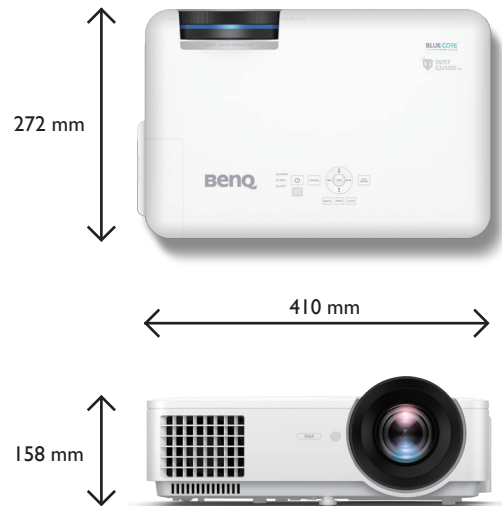
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## Input and Output Terminals



- |                                  |   |
|----------------------------------|---|
| 1 USB Type A (5V,1.5A)           | 10 Audio output (mini jack)             |
| 2 Microphone input (Mini jack)   | 11 Audio input (mini jack)              |
| 3 Audio L / R input (RCA)        | 12 Composite Video input (RCA)          |
| 4 HDMI-I                         | 13 PC I (D-sub 15pin)                   |
| 5 S-Video input                  | 14 Monitor output (D-sub 15pin, Female) |
| 6 PC 2 (D-sub 15pin)             | 15 Kensington anti-theft lock slot      |
| 7 RS232 input (D-sub 9pin, male) | 16 AC Power Jack                        |
| 8 LAN Port (RJ45 for Network)    | 17 QCAST (HDMI / MHL)                   |
| 9 USB Type mini B (For service)  |   |

## Dimensions

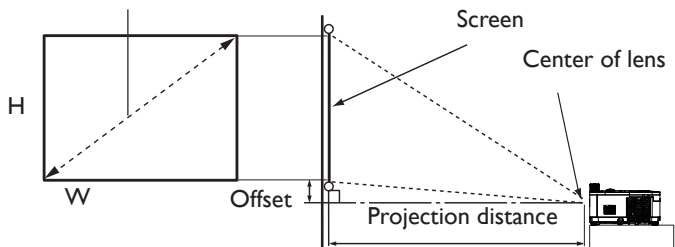


## Distance Chart

\*The screen aspect ratio is 4 : 3 and the projected picture is in a 4 : 3 aspect ratio.

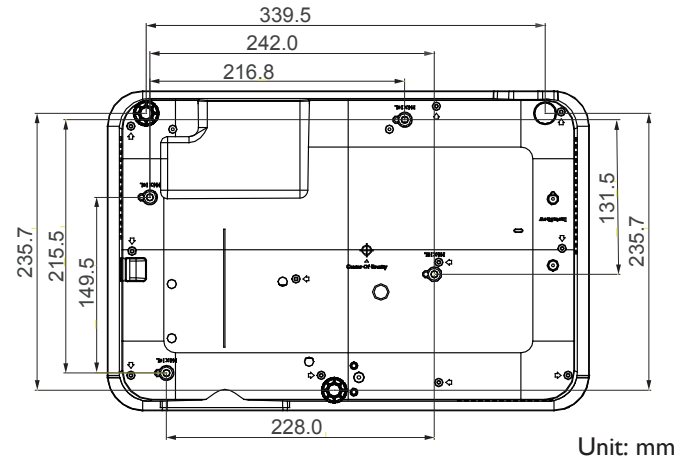
Screen size				Projection distance (mm)	Offset (mm)
Diagonal		H (mm)	W (mm)		
Inch	mm				
55	1397	838	1118	718	71
56	1422	853	1138	730	73
60	1524	914	1219	790	78
65	1651	991	1321	860	84
70	1778	1067	1422	930	91
75	1905	1143	1524	1000	97
80	2032	1219	1626	1070	104
85	2159	1295	1727	1140	110
86	2184	1311	1748	1143	111
90	2286	1372	1829	1200	117

### 4:3 Screen diagonal



## Ceiling Mount Chart

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



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