



# LH820ST

## BenQ DLP Projector

- 3600 ANSI Lumens Laser New Light Source
- White Balance Adjustment in Factory
- 2D Keystone & Corner Fit
- IP5X DustGuard for Advanced Durability
- 30,000 hours Maintenance-free Laser Light Source
- 0.49 Short Throw Ratio
- Easy Firmware Updater via LAN to Simplify Centralized Network Management

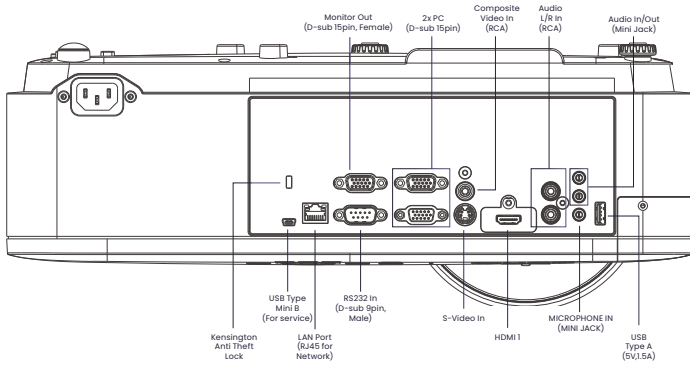


<b>Display</b>	
<b>Projection System</b>	DLP Single 0.65" 1080p
<b>DMD Type</b>	DC3 DMD Chip
<b>Native Resolution</b>	1080p (1920 x 1080)
<b>Brightness</b>	3600 ANSI Lumens
<b>Contrast Ratio*</b>	3,000,000 : 1
<b>Display Colour</b>	30 Bits (1.07 Billion Colours)
<b>Aspect Ratio</b>	Native 16:9 (5 Aspect Ratio Selectable)
<b>Light Source</b>	Laser
<b>Light Source Life** (Normal/Eco/SmartEco®)</b>	20,000/30,000/30,000 hours
<b>Optical</b>	
<b>Throw Ratio</b>	0.497 (Wide 100" @ 1.1m)
<b>Zoom Ratio</b>	Fixed
<b>Keystone Correction</b>	2D, Vertical & Horizontal ±30 degrees
<b>Projection Offset</b>	109 ± 3%
<b>Projection Size</b>	70"~120"
<b>Audio</b>	
<b>Built-In Speaker</b>	10W x1
<b>Special Feature</b>	
<b>Security</b>	Security Bar, Kensington lock
<b>Features</b>	2D Keystone, Corner Fit, LAN Control, FW upgrade via USB
<b>Compatibility</b>	
<b>Resolution Support</b>	VGA (640 x 480) to WUXGA_RB (1920 x 1200)
<b>Horizontal Frequency</b>	15K~102KHz
<b>Vertical Scan Rate</b>	23~120Hz
<b>HDTV Compatibility</b>	480i, 480p, 576i, 567p, 720p, 1080i, 1080p
<b>Video Compatibility</b>	SDTV (480i/576i), EDTV (480p/576p), HDTV (720p, 1080i/p 60Hz)
<b>Power</b>	
<b>Power Consumption (Max/Normal/Eco)</b>	335W/315W/252W
<b>Standby Power Consumption</b>	Normal < 0.5W
<b>Power Supply</b>	100 ~ 240V AC
<b>Dimension and Weight</b>	
<b>Product Dimensions (WxHxD)</b>	410 x 157.7 x 272mm
<b>Product Weight</b>	5.5Kg ±100gr
<b>Operation Condition</b>	
<b>Noise Level (Normal/Eco)</b>	33/29 dBA
<b>Operating Temperature</b>	0 ~ 40°C
<b>Accessories</b>	
<b>Accessories (Standard)</b>	QSG (4J.JRN01.001), Remote Control RCA011 (5J.JJ606.001), AAA Battery x2, VGA cable (1.5m), Power Cord (1.8m), Warranty card (by Region)
<b>Accessories (Optional)</b>	Ceiling mount (5J.JAM10.001)
<b>OSD</b>	
<b>On Screen Display Language</b>	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/Farsi/Vietnamese (30 Languages)
<b>Other</b>	
<b>Part Number</b>	9H.JRN77.33E
<b>EAN Code</b>	471 8755 09016 5

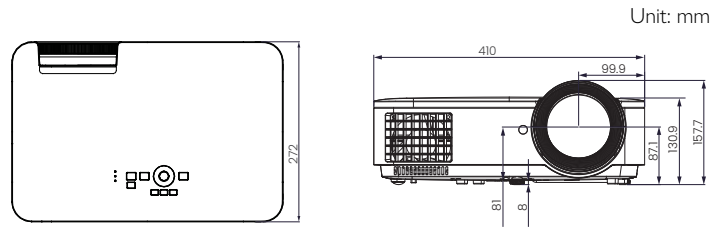
\* The Contrast is measured by Full On/Full Off standard.

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

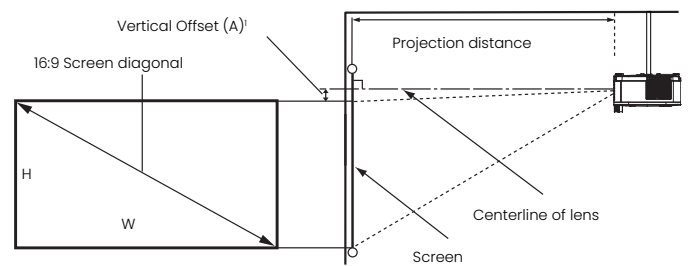
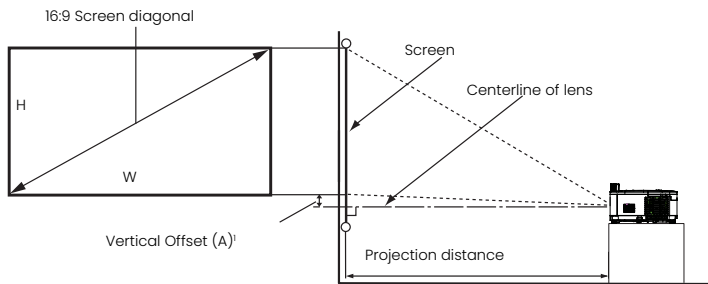
## INPUT AND OUTPUT TERMINALS



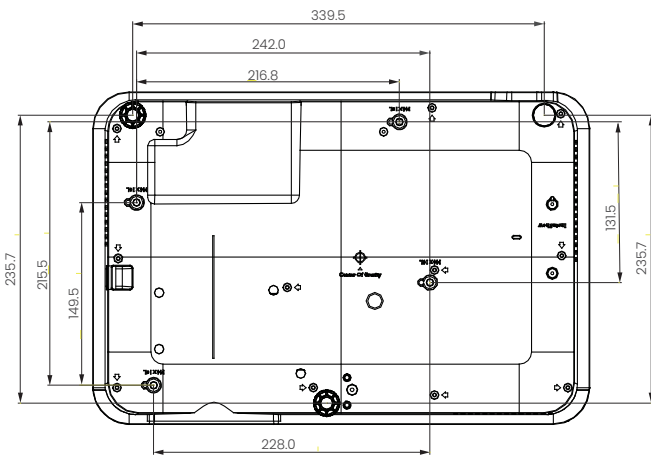
## DIMENSIONS



## PROJECTION DIMENSIONS



## CEILING / WALL MOUNT CHART



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

Unit: mm

## DISTANCE CHART<sup>2</sup>

Screen Size				Projection distance (mm)	Vertical offset (mm) <sup>1</sup>
Diagonal Size		H (mm)	W (mm)		
inch	mm				
60	1524	747	1328	657	75
70	1778	872	1550	767	87
80	2032	996	1771	876	99
90	2286	1121	1992	986	111
100	2540	1245	2214	1095	123
110	2794	1370	2435	1205	135
120	3048	1494	2657	1315	147

<sup>1</sup> The vertical offset value is the vertical distance from the bottom edge of the image (when the projector is on a table, diagram on the left), or top edge of the image (when the projector is ceiling mounted, diagram on the right) to the centerline of lens.

<sup>2</sup> To optimize the projection quality, we suggest to project images in an area without grayscale.



[benq.eu/en-eu/business/projector.html](http://benq.eu/en-eu/business/projector.html)

**BenQ**

© 2023 BenQ Corp. Specifications may vary by region, please visit your local stores for details. Actual product's features and specifications are subject to change without notice. This material may include corporate names and trademarks of third parties which are the properties of the third parties respectively.