



## BenQ DLP Projector

## LK936ST



### Feature High Light

- \* Laser light source 5100 ANSI Lumens
- \* 4K UHD
- \* Short Throw
- \* Big zoom & Lens shift
- \* DisplayPort
- \* HDBaseT
- \* Digital shrink and shift
- \* 4K Upscaling

### Display

Projection System	DLP Single 0.47" 4K
DMD type	DC3 DMD Chip
Native Resolution	3840x2160 pixels
Brightness	5100 ANSI Lumens
Contrast Ratio*	3,000,000:1
Display Color	30 Bits (1.07 billion colors)
Aspect Ratio	Native 16:9 (5 aspect ratio selectable)
Light Source	Laser
Light Source life*	Normal 20,000 hr ECO 30,000 hr

### Optical

Throw Ratio	0.81 ~ 0.89
Zoom Ratio	1.1x
Lens Control	Manual Zoom and Focus
Lens shift	Manual lens shift, V: ±60%; H: ±23%
Keystone Correction	3D keystone, V: ±40 degree; H: ±40 degree; R: ±40 degree
Projection Offset	NA
Projection Size	30" ~ 300"

### Audio

Built-in Speaker	10W x1
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### Special Feature

Security(anti-theft)	Security Bar
Feature	Large lens shift, Projector/ Remote Control ID Setting, HDBaseT, DisplayPort, S/PDIF, 360 Projection, Portrait, 3D sync in and out, 4K Upscaling, white balance adjustment

### Compatibility

Resolution Support	VGA (640 x 480) to 4K UHD (3840 x 2160) *RB-Reduced Blanking *4K input compatible
Horizontal Frequency	15K~135KHz
Vertical Scan Rate	23~240 Hz
HDTV Compatibility	480i, 480p, 576i, 576p, 720p, 1080i, 1080p, 2160p
Video Compatibility	NA

### Power

Power Consumption(Max/Normal/Eco)	Max 495W/ Normal 440W/ Eco 315W
Standby Power Consumption	Normal < 0.5W, Network <2W
Power Supply	100 ~ 240V AC

### Dimension and Weight

Product Dimensions (WxHxD)	416x166 x 351 mm
Product Weight	7.0 Kg+/- 200g

### Operation Condition

Noise Level(Normal/Eco)	40/33 dBA
Operating Temperature	0 ~ 40°C

### Accessories

Accessories (Standard)	Power Cord HDMI cable Remote control (RCA011) AAA Batteryx2 Installation Guide/Regulatory Statement(Combined) Warranty card(by sku)
Accessories (Optional)	Ceiling mount (CMG3) 3D glasses

### OSD

On Screen Display Language	Arabic/ Bulgarian/ Croatian/ Czech/ Danish/ Dutch/ English/ Finnish/ French/ German/ Greek/ Hindi/ Hungarian/ Italian/ Indonesian/ Japanese/ Korean/ Norwegian /Persian/ Polish/ Portuguese/ Romanian/ Russian/ Simplified Chinese/ Spanish/ Swedish/ Turkish/ Thai/ Traditional Chinese/ Vietnam (30 languages)
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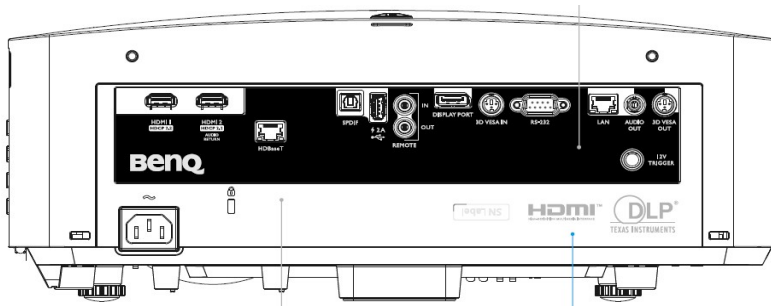
### Environment Notice

\*LightSource 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**

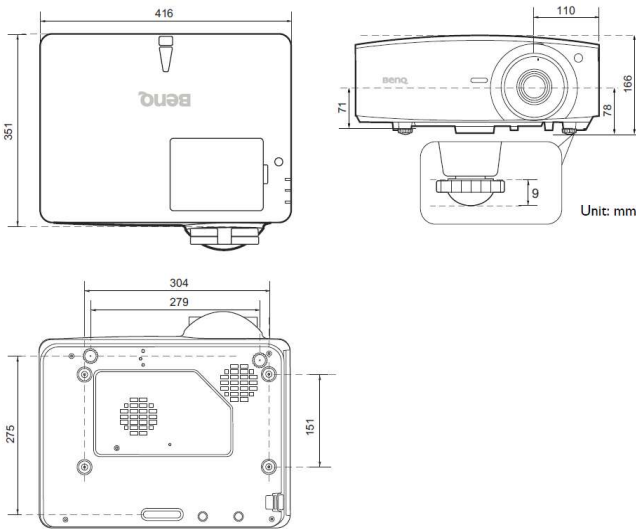


- 1 HDMI (HDCP 2.2)
- 2 USB TypeA(SV2A power)
- 3 HDBaseT
- 4 Wired Remote in
- 5 Wired Remote out
- 6 3D Sync in
- 7 3D Sync out
- 8 RS232 In (D-sub 9pin, male)
- 9 LAN Port(RJ45 for Network control)
- 10 S/PDIF

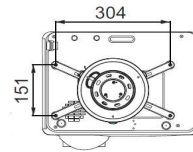
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|----------|------------------------------------|
| Quantity | Quantity                           |
| x 2      | 11 Audio out (mini jack)           |
| 1        | 12 I2V Trigger                     |
| 1        | 13 DisplayPort                     |
| 1        | 14 IR Receiver (Front)             |
| 1        | 15 IR Receiver (Top)               |
| 1        | 16 Kensington anti-theft lock slot |

**Dimension**

416 mm (W) x 166 mm (H) x 351 mm (D)

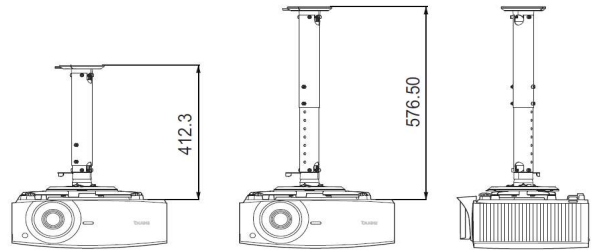


**Ceiling/Wall mount installation diagram**



BenQ ceiling mount CMG3 (5JJAM10.001)  
Ceiling mount screw: M4  
(Max. L = 25 mm; Min. L = 20 mm)

Unit: mm



Unit: mm

**Installation**

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

Diagonal	Screen size			Projection distance (mm)			
	inch	mm	H (mm)	W (mm)	Min distance (with max zoom)	Average	Max distance (with min zoom)
33	762	374	654	685	685	685	685
40	1016	468	886	717	753	788	823
53	1370	623	1197	897	941	985	1029
60	1524	747	1328	1076	1129	1182	1235
70	1778	872	1550	1255	1317	1379	1441
80	2032	996	1771	1435	1505	1576	1646
90	2286	1121	1992	1614	1694	1773	1852
100	2540	1245	2214	1793	1882	1970	2058
110	2794	1370	2435	1972	2070	2167	2264
120	3048	1494	2657	2152	2256	2364	2471
130	3302	1619	2878	2331	2465	2581	2707
140	3556	1743	3099	2510	2634	2768	2914
150	3810	1868	3321	2690	2823	2955	3101
160	4064	1992	3542	2869	3011	3152	3288
170	4318	2117	3763	3048	3199	3349	3475
180	4572	2241	3985	3228	3387	3547	3662
190	4826	2366	4206	3407	3575	3744	3849
200	5080	2491	4428	3586	3763	3941	4036
210	5334	2615	4649	3765	3951	4138	4223
220	5588	2740	4870	3944	4140	4335	4410
230	5842	2864	5092	4124	4328	4532	4597
240	6096	2989	5313	4303	4516	4729	4784
250	6350	3113	5535	4483	4704	4926	4971
260	6604	3238	5756	4662	4892	5123	5158
270	6858	3362	5977	4842	5081	5320	5345
280	7112	3487	6199	5021	5269	5517	5532
290	7366	3611	6420	5200	5457	5714	5719
300	7620	3736	6641	5380	5645	5911	5906

\*To optimize your projection quality, we suggest to do the projection within non-gray area.

