



## BenQ DLP Projector

## LK990

### Feature High Light

- \* Laser light source
- \* 6000 ANSI Lumens High Brightness
- \* True 4K UHD HDR
- \* 3D
- \* Big zoom & Lens shift
- \* 360-degree Projection
- \* HDBaseT
- \* Projector and remote control ID setting



### Display

Projection System	DLP Single 0.67" XPR 4K
DMD type	DC3 DMD Chip
Native Resolution	4K UHD (3840 x 2160)
Brightness	6000 ANSI Lumens
Contrast Ratio*	3,000,000:1
Display Color	30 Bits (1.07 billion colors)
Aspect Ratio	Native 16:9 (8 aspect ratio selectable)
Light Source	Laser
Light Source life*	20,000 hrs

### Optical

Throw Ratio	1.38~2.02
Zoom Ratio	1.47x
Lens Control	Manual Zoom and Focus
Lens shift	Manual lens shift, V: ±60 %; H: ±25 %
Keystone Correction	NA
Projection Offset	NA
Projection Size	30" ~ 300"

### Audio

Built-in Speaker	NA
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### Special Feature

Security(anti-theft) Feature	Security Bar 4K UHD, HDR, 3D, Projector/ Remote Control ID Setting, Auto High Altitude Mode, HDBaseT, LAN Control, 360° Projection, 4K Upscaling, True Zoom. 24/7 Hours Operating. IP6X Dust Proof Engine. Liquid Cooling System.
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### Compatibility

Resolution Support	VGA(640 x 480) to 4K (3840 x 2160)
Horizontal Frequency	15K ~135KHz
Vertical Scan Rate	23~120Hz
HDTV Compatibility	SDTV(480i/576i), EDTV (480p/576p, HDTV (720p, 1080i 60/50, 1080P 50/60/30/25/24, 3840x2160p 60/50/30/25/24)
Video Compatibility	NA

### Power

Power Consumption(Max/Normal/Eco)	Max 745W/ Normal 655 W/ Eco 470 W
Standby Power Consumption	Normal < 0.5W, Network <2W
Power Supply	100 ~ 240V AC

### Dimension and Weight

Product Dimensions (WxHxD)	470.7x 224.9 x 564.7 mm
Product Weight	20.2 kg

### Operation Condition

Noise Level(Normal/Eco)	37 /34 dBA
Operating Temperature	0 ~ 40°C

### Accessories

Accessories (Standard)	Power Cord Remote control (RCA011) Lens cover AAA Batteryx2 Installation Guide Regulatory Statement Warranty card(by sku) Cable Tie Setx2 Rubber Cap
Accessories (Optional)	Ceiling Mount CMG5 (SJ.JFY10.001)

### 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.

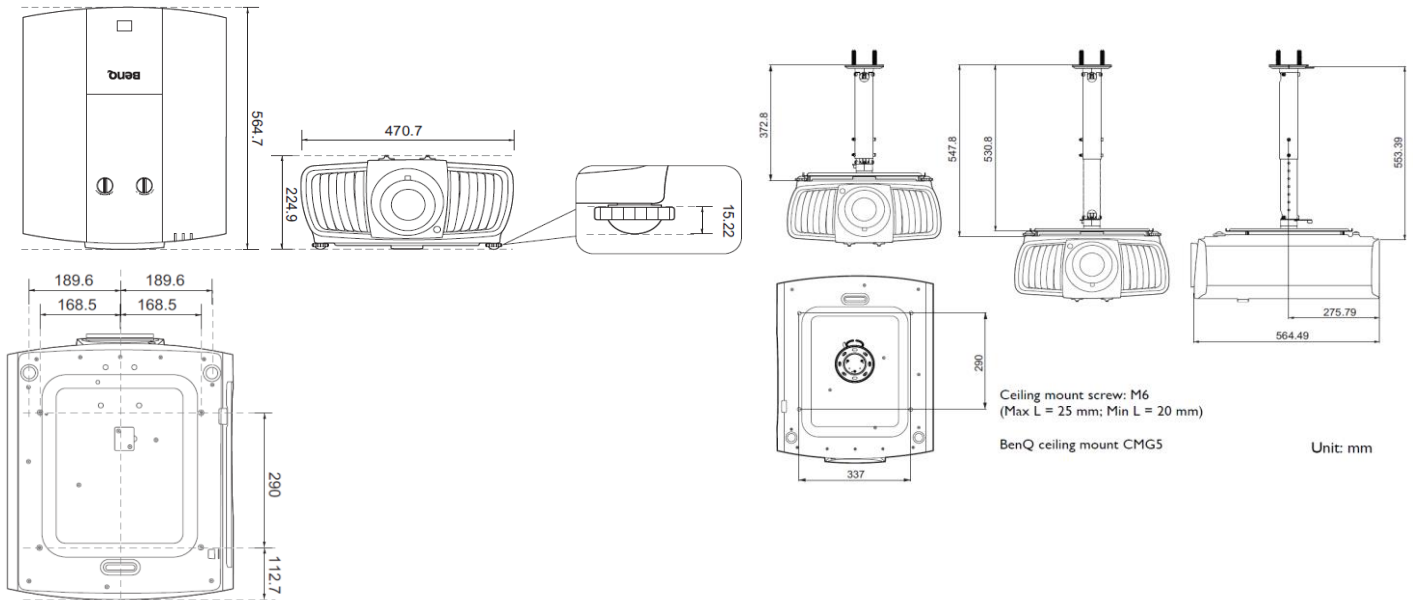


## Connectivity

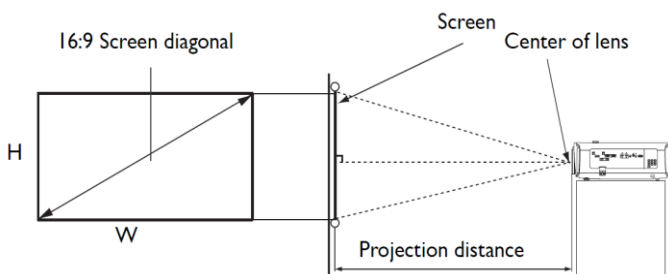


	Quantity		Quantity
1 LAN Port (RJ45 for Network control)	1	11 12V Trigger	1
2 HDBaseT (4K, HDCP 2.2 for audio/video, RS232, and IR remote control)	1	12 USB Mini-B (Service)	1
3 Wired Remote In	1	13 USB Type-A (2A power)	1
4 Audio out (mini jack)	1	14 RS232 In (D-sub 9pin, male)	1
5 Monitor out (D-sub 15pin, Female)	1	15 IR Receiver(Front)	1
6 PC In (D-sub 15pin, Female)	1	16 IR Receiver(Rear)	1
7 HDMI 1 (4K, HDMI 2.0 & HDCP 2.2)	1		
8 HDMI 2 (HDMI 1.4 & HDCP 1.4)	1		
9 HDMI3 (HDMI 1.4 & HDCP 1.4)	1		
10 HDMI Out	1		

## Dimension



## Installation



Screen size				Distance from screen (mm)		
Diagonal		W (mm)	H (mm)	Min length (max. zoom)	Average	Max length (min. zoom)
Inch	mm					
30	762	664	374	917	1129	1342
40	1016	886	498	1222	1505	1789
50	1270	1107	623	1528	1882	2236
60	1524	1328	747	1833	2258	2693
70	1778	1550	872	2139	2634	3130
80	2032	1771	996	2444	3011	3578
90	2286	1992	1121	2750	3387	4025
100	2540	2214	1245	3055	3763	4472
110	2794	2435	1370	3361	4140	4919
120	3048	2657	1494	3666	4516	5366
130	3302	2878	1619	3972	4893	5813
140	3556	3099	1743	4277	5269	6261
150	3810	3321	1868	4583	5645	6708
160	4064	3542	1992	4888	6022	7155
170	4318	3763	2117	5194	6398	7602
180	4572	3985	2241	5499	6774	8049
190	4826	4206	2366	5805	7151	8497
200	5080	4428	2491	6110	7527	8944
210	5334	4649	2615	6416	7903	9391
220	5588	4870	2740	6721	8279	9838
230	5842	5092	2864	7027	8656	10285
240	6096	5313	2989	7332	9032	10733
250	6350	5535	3113	7638	9409	11180
260	6604	5756	3238	7943	9785	11627
270	6858	5977	3362	8249	10161	12074
280	7112	6199	3487	8554	10538	12521
290	7366	6420	3611	8860	10914	12968
300	7620	6641	3736	9165	11290	13416

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

