The BenQ LK970 is an exceptional projector equipped with cutting edge technology designed for a variety of applications across commercial and home entertainment environments. Designed for ease of installation, the projector comes equipped with vertical and horizontal lens shift and 360 degree projection capability, 4K resolution, a high-precision lens array and ultra-high contrast ratio deliver unbeatable image quality. Blue Core laser technology delivers at least 20,000 hours of projection without the need to change a lamp.

Blue Core Laser

Introducing Blue Core laser from BenQ, an innovative and proprietary technology designed to deliver excellent image quality for large venues. Powered by Digital light processing (DLP®) technology, the blue core laser incorporates a dual color wheel and TIR prism to deliver 5000 ANSI lumens and exceptional 4K resolution.

Enduring Reliability

Laser technology eliminates the need for lamp replacement, one of the most costly and time intensive aspects of projector maintenance. Additionally, the LK970 is configured for continuous 24/7 operation and with an operating life of at least 20,000 hours, the total cost of ownership (TCO) is industry leading.

Outstanding Image Quality

Image quality is imperative in commercial applications and the BenQ LK970 delivers. True 4K (3840 x 2160) resolution coupled with cutting edge technology including Digital light processing (DLP®) technology, a high-precision lens array , pixel enhancement and ultra-high contrast ratio ensures images will be accurate, crisp and long lasting.

Unbeatable Installation Capability

Installation capability and flexibility are a must for today's commercial applications. Vertical and horizontal lens shift create additional mounting options while 360 degree and portrait projection capability allow for truly eye catching displays. HDBaseT allows for audio, visual and control to be transmitted across just one cable reducing the time and effort needed during installation. The BenQ LK970 boasts the features to ensure a smooth installation every time.
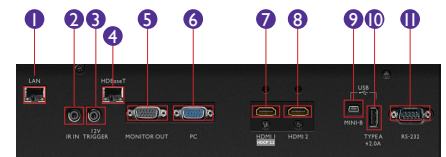
Key Features

- 4K UHD Resolution delivering an incredible 8.3 million pixels
- Blue Core Laser Light Source
- High Precision Lens Array
- 20,000 hours of reliability
- Equipped for 24/7 operation
- Liquid Cooling System
- HDBaseT support up to 4K2K without compression
- 360 degree and portrait projection capability

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SPECIFICATIONS

Display	Projection System	DLP® Single 0.66" XPR 4k
	DMD type	DC3 DMD Chip
	Native Resolution	3840x2160 pixels with XPR Technology
	Brightness	5,000 ANSI Lumens
	Contrast Ratio*	100,000:1
	Display Color	1.07 Billion Colors
	Aspect Ratio	Native 16:9 (5 aspect ratio selectable)
	Light Source	Laser diodes
	Light Source life*	20,000/60,000000/69,0000 hours (Normal/Eco/Dimming mode)
Optical	Throw Ratio	1.38~2.02
	Zoom Ratio	1.47
	Lens Control	Manual
	Lens shift	V: -60%~60%
		H: -25%~25%
	Keystone Correction	NA
	Projection Offset	NA
	Projection Size	95"~200"
Audio	Built-in Speaker	NA
Special Feature	Security	Security Bar, Power Cord Lock
	Feature	Custom Light Source Mode (brightness adjustment), Dicom Simulation Mode, High Altitude Mode, 4K Upscaling, 24/7 hours operating, Dust Proof Engine, Liquid Cooling System, 360 Degree & Portrait Projection
Connectivity/ Interface	HDMI 2.0	(2.0, HDCP 2.2, compatible with HDCP 1.1, Long cable support 20m) x 1
	HDMI 1.4	(1.4a, HDCP 1.1, Long cable support 20m) x 1
	Computer in	(D-sub 15pin) x 1
	Monitor out	(D-sub 15pin) x 1
	LAN	(RJ45) x 1
	HDBaseT	(RJ45) x 1
	RS232	(DB-9pin) in x 1
	USB	(Type A, 2.0) x 1 (2A)
	USB	(Type Mini B) x 1
	DC	12V Trigger (3.5mm Jack) x 1
	Wired Remote	(IR in) x 1
	IR Receiver	x 2
Power	Power Comsumption (Max/Normal/Eco)	Max 595W/Normal 540W/Eco 430W
	Standby Power Comsumption	Normal <0.5W. Network <3W
	Power Supply	100 to 240 V, AC
Dimension and Weight	Product Dimensions (WxHxD)	470.7 x 224.9 x 564.7 mm
	Product Weight	19.2kg
Accessories	Standard	Power Cord
		Remote Control
		AAA Battery x 2
		Cable Tie Set x 2
		Rubber Cap
		Regulatory Statement
		Installation Guide
	Optional	Celling Mount (5J.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/ Polish/ Portuguese/ Romanian/ Russian/ Simplified Chinese/Spanish/ Swedish/ Turkish/ Thai/ Traditional Chinese (28 Languages)

*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.

224.9mm

470.7mm

564.7mm

INPUT / OUTPUT TERMINALS

1. LAN Port (RJ45 for Network control)
2. Wired Remote In
3. 12V Trigger
4. HDBaseT (4K, HDCP 2.2 for audio/ video, RS232, and IR remote control)
5. Monitor out (D-sub 15pin,Female)
6. Computer In-1 (D-sub 15pin, Female)
7. HDMI 1 (4K, HDMI 2.0 & HDCP 2.2)
8. HDMI 2 (HDMI 1.4a & HDCP 1.4)
9. USB Mini-B (Service)
10. USB TypeA (2A power)
11. RS232 In (D-sub 9pin, male)

Image size				Distance(mm)			Offset(mm)
Diagnel		Width	Height	Min distance		Max distance	A(mm)
Inch	mm	(mm)	(mm)		Average		@ Wide mode
80	2032	1771	996	2444	3011	3578	100
90	2286	1992	1121	2750	3387	4025	112
100	2540	2214	1245	3055	3763	4472	125
110	2794	2435	1370	3361	4140	4919	137
120	3048	2657	1494	3666	4516	5366	149
130	3302	2878	1619	3972	4893	5813	162
140	3556	3099	1743	4277	5269	6261	174
150	3810	3321	1868	4583	5645	6708	187
160	4064	3542	1992	4888	6022	7155	199
170	4318	3763	2117	5194	6398	7602	212
180	4572	3985	2241	5499	6774	8049	224
190	4826	4206	2366	5805	7151	8497	237
200	5080	4428	2491	6110	7527	8944	249

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