

BenQ LH890UST

Image Display

Display System	1-Chip 0.65" DC3 DMD DLP
Native Chip Resolution	1920 x 1080 (Full HD)
Supported Resolutions	Maximum: WUXGA - 1920 x 1200 Minimum: VGA - 640 x 480
Max Brightness	4000 Lumens
Offset	118.8% ± 3%
Aspect Ratio	Native: 16:9
Contrast Ratio	100000:1
DLP Link 3D	Yes
Supported 3D Formats	Frame Sequential (up to 720p) Frame Packing (up to 1080p) Side by Side (up to 1080p) Top Bottom (up to 1080p)
Color Depth	10-Bit (1.07 Billion Colors)
Scan	Vertical: 23 to 120 Hz Horizontal: 15 to 102 Hz

Lens

Focus	Manual
Lens	f/2.4 (f = 3.35 mm)
Optical Zoom	Manual: 1x
Throw Ratio	0.23:1
Projection Size	81 - 121" / 205.74 - 307.34 cm

Features

Keystone Correction	Vertical: $\pm 20^\circ$ Horizontal: $\pm 20^\circ$
Digital Zoom	2x
Ceiling Mountable	Yes
Rear Screen Projection	Yes
Built-In Speaker	Yes
Speaker Power	10W
Projection Tilt Option	Yes

Input/Output Connectors

Inputs/Outputs

- 1 x** HDMI (HDMI Type-A) Video
 - 1 x** HDMI with MHL Support (HDMI Type-A) Video
 - 1 x** VGA (DE-15/DB-15) Video
 - 1 x** VGA (DE-15/DB-15) Video Output
 - 1 x** Composite (RCA) Video Input
 - 1 x** S-Video (4-Pin DIN) Video Input
 - 1 x** 1/8" / 3.5 mm Mini Audio Input
 - 1 x** 2RCA Audio Input
 - 1 x** 1/8" / 3.5 mm Mini Audio Output
 - 1 x** RJ45 LAN
 - 1 x** RS-232 (DE-9/DB-9) Control Input
 - 1 x** USB 2.0 (USB Type-A) Power
 - 1 x** Mini-USB Service
 - 1 x** Mini-USB Control
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Hardware

Wireless LAN / Wi-Fi

No, Optional Adapter Available

General

Light Source

Laser Phosphor

Expected Lamp Life

Full Brightness: 20,000 Hours

Fan Noise

Full Brightness: 35 dB
Medium Brightness: 32 dB

Security

Cable Lock Slot

Supported Languages

- Arabic
- Bulgarian
- Croatian
- Czech
- Danish
- Dutch
- English
- Finnish
- French
- German
- Greek
- Hindi
- Hungarian
- Indonesian
- Italian
- Japanese
- Korean
- Norwegian
- Polish
- Portuguese
- Romanian
- Russian
- Simplified Chinese
- Spanish
- Swedish
- Thai
- Traditional Chinese
- Turkish

AC Input Power

100 to 240 VAC, 50 / 60 Hz at 4.5 A

Power Consumption

Full Brightness: 380 W
Medium Brightness: 358 W
Low Brightness: 274 W
Standby Mode (Lamp Off): <0.5 W

Max Operating Altitude

9842' / 3000 m

Operating Temperature	32 to 104°F / 0 to 40°C
Storage Temperature	-4 to 140°F / -20 to 60°C
Operating Humidity	10 - 90%
Storage Humidity	10 - 90%
Dimensions (W x H x D)	19.8 x 6.5 x 15.7" / 502.1 x 164.5 x 399.3 mm
Weight	19.97 lb / 9.06 kg

Packaging Info

Package Weight	43.1 lb
Box Dimensions (LxWxH)	38.3 x 20.7 x 11.9"