

Benq AK800ST

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Brief Introduction

Beta 2.5

A brief introduction to the BenQ AK800ST. This short-throw DLP laser projector features a UHD (4K2K) resolution of 3840 x 2160 and a contrast ratio of 3,000,000:1. Thanks to the laser, the projector has a lifespan of 20,000 hours?which, at four hours of use per day, amounts to over 13.7 years. The ambient light sensor allows the projector to automatically optimize the projected image. Horizontal and vertical keystone correction provide flexibility during setup. With a throw ratio of just 0.69:1, this projector never gets in the way. To project a 2-meter-wide image, the projector needs to be positioned just 138 cm away from the screen. The projector offers optional AirPlay and Miracast screen mirroring support, which allows for the direct playback of high-resolution videos and surround sound via Wi-Fi from smartphones, tablets, and PCs running Android, Windows, or iOS. Playing 1080p, 4K, and 3D content is also no problem for the projector, meaning it can recognize all currently available Blu-ray formats.

 1 x 0,47" SST DMD DLP Chip
HDTV 16/9 Ti Digital Light Processing Chip

Display Type

Ansi-Lumen
Contrast
Black Level
Offset

Projector	5000	Screen	2222 Lux (200 cm Screen width)
	3000000:1 full on/off		3000000:1 full on/off
	0,0017 min. Lumen		0,001 min. Lumen

Resolution

UHD (4K2K) 3840 x 2160
8.294.400 Pixel / FHD E-Shift

Video Modes

Pal, SECAM, NTSC, HDTV 720p, 1080i, 1080p, 4K UHD, 3D, EDTV 480p, 576p

Disc Recognition

DVD | HD Blu-ray | 3D Blu-ray | 4K UHD Blu-ray (60p)

3D Compatibility

Frame-Packing (Full HD 3D) | Side-by-Side | Top-and-Bottom
Frame Sequential (3D Ready)

Application

Short Distance | Gaming | Wide screen width or rooms with plenty of light (over 200 lumens).

Light Source

Laser

Light Life

20000 h. / 30000 h. in Eco Mode

Operating Costs

0,00 € Laser

Focus

Automatic

Zoom

Powered x1,2

Objective

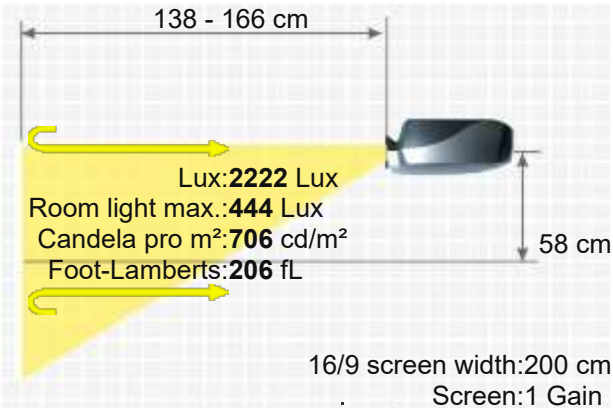
F=2,49-2,7 f=10,31-12,32 mm

Throw Ratio

0,69-0,83:1

Audio

1 x 10W



HDMI-1 2.1 (HDCP 2.3, ALLM, 4K60Hz)
HDMI-2 2.1 (HDCP 2.3, ALLM, 4K60Hz, eARC)
HDMI-3 2.1 (HDCP 2.3, 4K 120Hz *downscaling to 1080p 120Hz)
3D Sync out (Vesa)
Mini Jack Audio out
USB-C (DP) in
USB-A 2.0 (1.5A/FW Upgrade) in
USB-A 3.0 (3.0A Power Supply)
USB-A (Wireless Dongle) in
RS232C Din 9 pin in
RJ45



Connections

- ① LAN
(RJ45)

② Sync Out
(VESA)

③ RS-232
(D-sub 9pin male)

④ USB-1 Type-A
(USB 2.0, for service & 5V Trigger)

⑤ USB-2 Type-A
(USB3.0, Media Reader)
- ⑥ HDMI-3
(HDMI 2.1, HDCP 2.3)

⑦ HDMI-2
(eARC) (HDMI 2.1, HDCP 2.3)

⑧ HDMI-1
(HDMI 2.1, HDCP 2.3)

⑨ Audio Out
(3.5mini Jack)

Ceiling Mounting
Power
Size WxHxD
Operating Noise

Yes, is possible.
285.1W Normal
387,9 x 140 x 301,9 mm (15,2"x5,5"x11,9") 16,31 L/dm³
34 / 29 dB in Eco Mode

Weight
Keystone
Illumination

5,90 kg / 11,02 lbs.
Vert.: +/-30°
Hori.: +/-30°
-

Frequenz

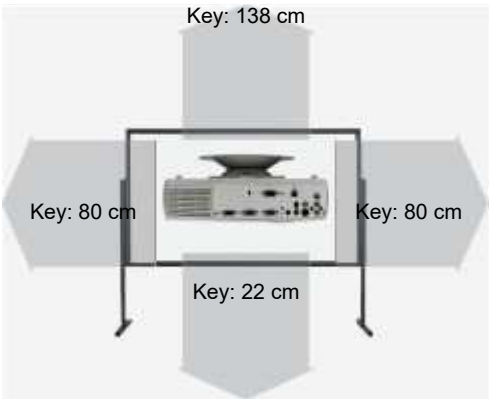
H-sync: 15-135 kHz
V-sync: 23-240 Hz

Foot-Lamberts

206 fL / max. 643 cm screen width
706 cd/m²

Features

- Real Full HD 3D
- Full HD 1080P compatible
- Eco Mode
- Kensington Slot
- High Dynamic Range (HDR)
- Warping
- Picture-in-Picture
- Optional Wi-Fi network compatible.
- Short-throw projector
- Ambient Light Sensor.
- Auto Screen Fit 2.0 (curved screens)
- Screen Fill (1:1, 5:4, 3:2, 4:3, 16:9, 16:10)
- 97 Rec. 709 Color Space Coverage
- HLG



- HDR Pro
 - ToF Sensor Image Alignment
 - AI-Optimized Image Quality
 - AI Image Scaling
 - AI Noise Reduction
 - Dynamic Color Enhancement
 - Transition Smoothing
 - ALLM
 - MEMC
 - 24FPS Mode
 - Game Mode Input Latency: 18.1 ms @ 4K, 4.8 ms @ 1080p
 - Refresh Rate: 60 Hz @ 4K, 240 Hz @ 1080p
- Miracast, Airplay, Windows

Screen Mirroring

Optional accessories



Deckenhalterung Länge 100-120 mm

Halterung100

47,86 €

Status

2026 Current model // Last update of the data: 2026-09-14
Created: 2026-09-09 09:52:41

Data



More Details



HCinema

<https://www.projector-database.com/pro/benqak800st-en.html>

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