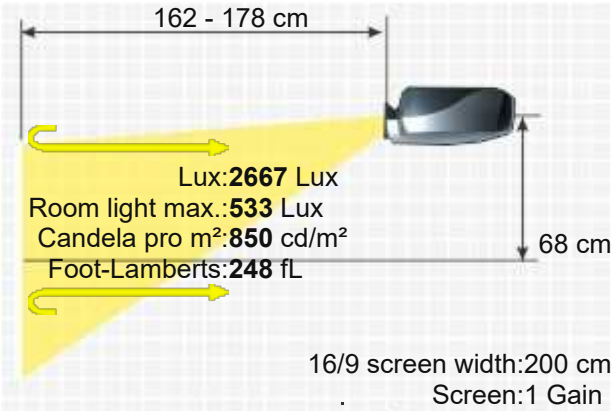
Benq AK900ST



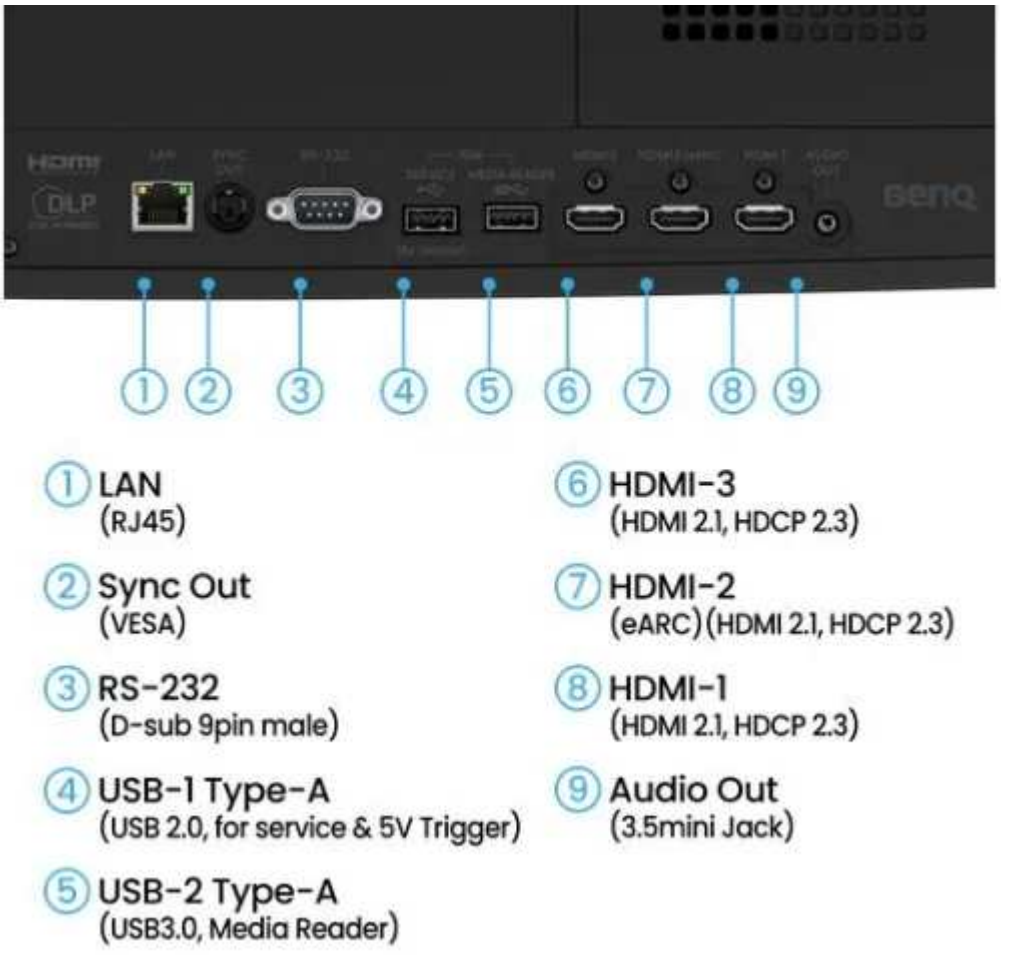


BENQ AK900ST

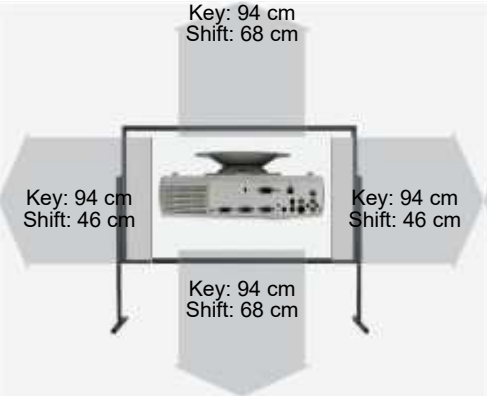
Brief Introduction Beta 2.5	With the AK900ST, manufacturer BenQ offers a DLP laser projector with UHD (4K2K) 3840 x 2160 resolution and a contrast ratio of 3,000,000:1. BenQ specifies the lamp life at 20,000 hours, which equates to over 13.7 years based on four hours of use per day. The built-in ambient light sensor detects the ambient light in the room and automatically optimizes the image. The integrated lens shift provides flexibility when setting up the projector. Thanks to the short-throw projection ratio of just 0.81:1, the projector doesn?t get in the way in the room. To project a 2-meter-wide image, the projector needs to be placed just 162 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. The projector also handles 1080p, 4K, and 3D content with ease, meaning it can support all currently available Blu-ray formats.
Display Type	1 x 0,47" SST DMD DLP Chip HDTV 16/9 Ti Digital Light Processing Chip
Ansi-Lumen (Projector)	6000
Ansi-Lumen (Screen)	2667 Lux (200 cm Screen width)
Contrast (Projector)	3000000:1 full on/off
Contrast (Screen)	3000000:1 full on/off
Black Level (Projector)	0,0020 min. Lumen
Black Level (Screen)	0,001 min. Lumen
Lens shift	Vert.: +/-60% Hori.: +/-23%
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 | Very large screen width and rooms with plenty of light and shaded daylight.
Light Source	Laser
Light Life	20000 h. / 30000 h. in Eco Mode
Operating Costs	0,00 € Laser
Focus	Automatic
Zoom	Powered x1,1
Objective	F=1,83-1,86 f=8,6-9,4 mm
Throw Ratio	0,81-0,89:1
Audio	1 x 10W



Connections	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



Ceiling Mounting	Yes, is possible.
Power	348,3W Normal
Size WxHxD	521 x 166,3 x 350,6 mm (20,5"x6,5"x13,8") 30,27 L/dm³
Operating Noise	34 / 29 dB in Eco Mode



Weight	10,20 kg / 22,05 lbs.
Keystone	Vert.: +/-30° Hori.: +/-30°
Illumination	-
Frequenz	H-sync: 15-270 kHz V-sync: 23-240 Hz
Foot-Lamberts	248 fL / max. 643 cm screen width 850 cd/m²
Features	■ Real Full HD 3D ■ Full HD 1080P compatible ■ Lens shift Funktion ■ Eco Mode ■ Kensington Slot ■ High Dynamic Range (HDR) ■ Warping ■ 24/7 continuous operation capable ■ 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
- 24 FPS Mode
- Game Mode Input Latency: 18.1 ms @ 4K, 4.8 ms @ 1080p
- Refresh Rate: 60 Hz @ 4K, 240 Hz @ 1080p

Screen Mirroring: Miracast, Airplay, Windows

Optional accessories



Deckenhalterung schwarz | Halterung45 | 83,60 €

Status: 2026 Current model // Last update of the data: 2026-09-14
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Data







More Details

HCinema
https://www.projector-database.com/pro/benqak900st-en.html

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