AXIS Q1765-LE Network Camera

Outdoor-ready, bullet camera with integrated IR and 18x zoom

AXIS Q1765-LE is a slim, outdoor-ready, bullet camera with 18x optical zoom and auto-focus, providing both wide overviews and detailed images for identification purposes at long distances. It delivers HDTV 1080p video in multiple, individually configurable H.264 and Motion JPEG video streams. The built-in IR illumination is provided by four highly power-efficient, auto-adjusting LEDs. AXIS Q1765-LE supports wide dynamic range (WDR) an Axis' unique Corridor Format, allowing effective monitoring with higher resolution in vertical scenes. The compact, light-weight camera is IP66-rated and features Axis' Arctic Temperature Control for powering up at very low temperatures following a power failure.

> **18x optical zoom and autofocus**
> **Built-in IR illumination**
> **HDTV 1080p and H.264**
> **IP66- and NEMA 4X-rated for outdoor use**
> **Axis' unique Corridor Format**

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Camera

Image sensor	1/2.9" progressive scan RGB CMOS
Lens	4.7–84.6 mm, F1.6-2.8 Horizontal angle of view: 59°–4° Autofocus, automatic day/night
Day and night	Automatically removable infrared-cut filter in day mode and infrared-pass filter 720 nm in night mode
Minimum illumination	Color: 0.5 lux at 30 IRE F1.6 B/W: 0.04 lux at 30 IRE F1.6, 0 lux with IR illumination on
Shutter time	1/28000 s to 2 s

Video

Video compression	H.264 (MPEG-4 Part 10/AVC) Mainline and Baseline Profiles Motion JPEG
Resolution	1920x1080 to 160x90
Frame rate	Up to 30/25 fps (60/50 Hz) in all resolutions
Video streaming	Multiple, individually configurable streams in H.264 and Motion JPEG Controllable frame rate and bandwidth VBR/CBR H.264
Image settings	Manual shutter time, compression, color, brightness, sharpness, white balance, exposure control, exposure zones, backlight compensation, fine tuning of behavior at low light, rotation, text and image overlay, 3D privacy mask, day/night shift level Axis' Corridor Format WDR-dynamic contrast
Pan/Tilt/Zoom	18x optical zoom and 12x digital zoom, preset positions

Audio

Audio streaming	Two-way
Audio compression	AAC-LC 8/16 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8 kHz, Configurable bit rate
Audio input/output	Requires multi-connector cable (not included) for external microphone input or line input and line output
Audio input	3.5 mm jack for mic/line in, max 200 mVpp for microphone, max 6.2 Vpp for line signal Impedance: Min 1 kΩ, Mic-Power activated; Min 4 kΩ line Tip: Signal/Bias Ring: Bias Sleeve: Ground Power to external electret microphone: 1.3 – 2.6 V DC (3.0 V DC through 2130 Ω) SNR: > 70 dB
Audio output	3.5 mm jack for line out, max 2.0 Vpp SNR: > 70 dB Tip: Signal/Bias Ring: Bias Sleeve: Ground Output impedance: Max 100 Ω, normal < 1Ω

Network

Security	Password protection, IP address filtering, HTTPS[a] encryption, IEEE 802.1X[a] network access control, digest authentication, user access log
Supported protocols	IPv4/v6, HTTP, HTTPS[a], SSL/TLS[a], QoS Layer 3 DiffServ, FTP, CIFS/SMB, SMTP, Bonjour, UPnP™, SNMP v1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, SFTP, TCP, UDP, IGMP, RTCP, ICMP, DHCP, ARP, SOCKS, SSH

System integration

Application Programming Interface	Open API for software integration, including VAPIX® and AXIS Camera Application Platform, specifications at www.axis.com AXIS Video Hosting System (AVHS) with One-Click Connection ONVIF® Profile S and ONVIF® Profile G, specification at www.onvif.org
Analytics	Included AXIS Video Motion Detection, active tampering alarm, gatekeeper audio detection Supported AXIS Perimeter Defender, AXIS Cross Line Detection

	Support for AXIS Camera Application Platform enabling installation of third-party applications, see www.axis.com/acap
Event triggers	Analytics, edge storage events External input
Event actions	External output activation, video and audio recording to edge storage Pre- and post-alarm video buffering File upload: FTP, SFTP, HTTP, HTTPS, network share and email Notification: email, HTTP, HTTPS, TCP and SNMP trap
Data streaming	Event data
Built-in installation aids	Pixel counter

General

Casing	IP66- and NEMA 4X-rated, impact-resistant aluminum enclosure with integrated dehumidifying membrane Color: White NCS S 1002-B
Memory	256 MB RAM, 128 MB Flash
Power	Power over Ethernet (PoE) IEEE 802.3af, max 12.95 W 8-28 V DC max 15.2 W 20-24 V AC max 22.0 VA
Connectors	RJ45 10BASE-T/100BASE-TX PoE DC Power connector Multi-connector (not included): 2 configurable alarm inputs/outputs, Mic in, Line mono input, Line mono output
IR illumination	Power-efficient, long-life 850 nm IR LED's with adjustable angle of illumination and intensity. Range of reach up to 15 m (50 ft) in wide field of view and up to 40 m (130 ft) in full tele view
Storage	Support for microSD/microSDHC/microSDXC card Support for SD card encryption Support for recording to network-attached storage (NAS) For SD card and NAS recommendations see www.axis.com
Operating conditions	-40 °C to 50 °C (-40 °F to 122 °F) Humidity 10-100% RH (condensing)
Storage conditions	-40 °C to 65 °C (-40 °F to 149 °F)
Approvals	EN 50121-4, EN 55024, EN 61000-3-2, EN 61000-3-3, EN 61000-6-1, EN 61000-6-2, EN/IEC/UL 60950-22, EN/IEC 62471 risk group 1 EN 55022 Class B, RCM AS/NZS CISPR 22 Class B, FCC Part 15 Subpart B Class B, ICES-003 Class B, VCCI Class B, KCC KN22 Class B, KN24
Dimensions	146 x 105 x 344 mm (5 3/4 x 4 1/8 x 13 9/16 in)
Weight	1.8 kg (4.0 lb) including the bracket
Included accessories	Installation Guide, Windows decoder 1-user license, connector kit, recording software and User's Manual, allen key AXIS Q1765 Foot Chassis AXIS Q1765-LE Front Kit AXIS T94G01S Mounting Plate AXIS Sunshield B
Optional accessories	AXIS T8604 Media Converter Switch AXIS T91A47 Pole Mount AXIS T94P01B Corner Bracket For more accessories, see www.axis.com
Video management software	AXIS Companion, AXIS Camera Station, video management software from Axis' Application Development Partners available on www.axis.com/support/downloads
Languages	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Traditional Chinese, Japanese, Korean, Portuguese
Warranty	Axis 3-year warranty and AXIS Extended Warranty option, see www.axis.com/warranty

a. *This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. (www.openssl.org), and cryptographic software written by Eric Young (eay@cryptsoft.com).*

Environmental responsibility:

www.axis.com/environmental-responsibility

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