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
### AXIS Q1765-LE Network Camera

**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
  - Thread for 62 mm filters
- **Day and night**: Automatically removable infrared-cut filter in day mode and infrared-pass filter 720 mm 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) Baseline, Main and High Profiles
  - Motion JPEG
- **Resolution**: 1920x1080 HDTV 1080p 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
- **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® encryption, IEEE 802.1X® network access control, digest authentication, user access log, centralized certificate management
- **Supported protocols**: IPv4/v6, HTTP, HTTPS®, SSL/TLS®, QoS Layer 3 DiffServ, FTP, CIFS/SMB, SMTP, Bonjour, UPnP®, SNMP v1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, SFTP, TCP, UDP, UGMP, 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 axis.com
- **Analytics**: Included
  - Axis Video Motion Detection, Axis Fence Guard, Axis Motion Guard, active tampering alarm, gatekeeper audio detection
  - Supported
  - Axis Perimeter Defender, Axis Cross Line Detection, Axis Loitering Guard
  - Support for AXIS Camera Application Platform enabling installation of third-party applications, see 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, SMTP, HTTP, HTTPS, network share and email
  - Notification: email, HTTP, HTTPS, TCP and SNMP trap

**Data streaming**
- Event data

**Built-in installation aids**
- Remote zoom, pixel counter, leveling assistant, autorotation

**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 V A
- **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 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**
  - EMC
    - EN 55022 Class B, FCC Part 15 Subpart B Class B, IECES-003 Class B, VCCI Class B, KCC KN22 Class B, KN24
    - EN 50121-4, EN 55024
  - Environmental
    - EN 61000-3-2, EN 61000-3-3, EN 61000-6-1, EN 61000-6-2
  - Safety
    - EN/IEC/UL 60950-22, IS 13252
  - Other
    - EN/IEC 62471 risk group 1
- **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, Resistors® L-key
  - AXIS Q1765 Foot Chassis, AXIS T940105 Mounting Plate, AXIS Sunshield B
  - AXIS Q1765-LE Front Kit
- **Optional accessories**
  - AXIS T8604 Media Converter Switch
  - AXIS T91447 Pole Mount, AXIS T94P01B Corner Bracket
  - More accessories, see axis.com
- **Video management software**
  - AXIS Companion, AXIS Camera Station, video management software from Axis’ Application Development Partners available at axis.com/vms
- **Languages**
  - English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese
- **Warranty**
  - Axis 3-year warranty and AXIS Extended Warranty option, see axis.com/warranty
  - a. This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit (openssl.org), and cryptographic software written by Eric Young (eay@cryptsoft.com).

**Environmental responsibility**