AXIS Q1785-LE Network Camera
Robust, first-class 2 MP video with 32x optical zoom

AXIS Q1785-LE Network Camera is an all-integrated camera delivering 2 megapixel resolution and 32x optical zoom for easy and flexible installation at any distance as well as detailed video for identification. With a wide temperature range, impact resistance and IP66, IP67 and NEMA 4X ratings, this reliable camera is ready for tough environments. Lightfinder, Forensic WDR and OptimizedIR with 80 m (262 ft) range ensure details in challenging light conditions and darkness. AXIS Q1785-LE offers built-in analytics for proactive surveillance, corridor format and audio in for video with sound. Furthermore, Axis Zipstream saves bandwidth while keeping high video quality.

> HDTV 1080p at up to 60 fps
> -40 °C to 60 °C (-40 °F to 140 °F)
> OptimizedIR with 80 m (262 ft) range
> Electronic Image Stabilization
> AXIS Guard Suite included
AXIS Q1785-LE Network Camera

**Camera**
- Image sensor: 1/2.8" progressive scan RGB CMOS
- Lens: 4.3-137 mm, F1.4-4.0
  - Horizontal field of view: 60° - 2.3°
  - Vertical field of view: 39° - 1.3°
  - Autofocus, automatic day/night
  - Thread for 62 mm filters, max filter thickness: 5 mm
- Day and night: Automatically removable infrared-cut filter in day mode and infrared-pass filter 720 nm in night mode
- Minimum illumination: Color: 0.16 lux at 50 IRE F1.4
  - B/W: 0.03 lux at 50 IRE F1.4
  - 0 lux with IR illumination on
- Shutter time: 1/65000 s to 1 s

**Video**
- Video compression: H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles
- Motion JPEG
- Resolution: 1920x1080 HDTV 1080p to 160x120
  - Maximum pixel density with 32x optical zoom:
    - 25 m (82 ft): 1912 px/m
    - 50 m (164 ft): 956 px/m
    - 250 m (820 ft): 191 px/m
- Frame rate: With WDR: Up to 25/30 fps (50/60 Hz) in all resolutions
  - Without WDR: Up to 50/60 fps (50/60 Hz) in all resolutions
- Video streaming: Multiple, individually configurable streams in H.264 and Motion JPEG
  - Axis Zipstream technology in H.264
  - Controllable frame rate and bandwidth

**Image settings**
- Saturation, contrast, brightness, sharpness, Forensic WDR:
  - Up to 120 dB depending on scene, defogging, white balance, daytime/threshold, exposure mode, exposure zones, compression, mirroring of images, electronic image stabilization, barrel distortion correction, text and image overlay, dynamic text and image overlay, privacy mask,
  - Rotation: auto, 0°, 90°, 180°, 270° including Corridor Format
- Scene profiles: forensic, vivid, traffic overview

**Pan/Tilt/Zoom**
- 32x optical zoom, preset positions

**Audio**
- Audio streaming: Audio in, simplex

**Audio compression**
- AAC-LC (4/16/32/48 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8 kHz, Opus 8/16/48 kHz, LPCM
- Configurable bit rate

**Network**
- Security:
  - Password protection, IP address filtering, HTTPS encryption, IEEE 802.1x (EAP-TLS) network access control, digest authentication, user access log, centralized certificate management, signed firmware, brute force delay protection
- Supported protocols:
  - IPv4, IPv6, USOSv6, HTTP, HTTPS, SSL/TLS, QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMBO, SMTP, Bonjour, UPnP®, SNMP v1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, SRTP, TCP, UDP, IGMP, RTCP, ICMP, DHCP, ARP, SOCKS, SSH, LLDP

**System integration**
- Application Programming Interface:
  - Open API for software integration, including VAPIX® and AXIS Camera Application Platform; specifications at axis.com
  - AXIS Guardian with One-Click Connection
  - ONVIF® Profile G, ONVIF® Profile S, and ONVIF® Profile T, specification at onvif.org
- Onscreen controls:
  - Electronic image stabilization
  - Day/Night shift
  - Defogging
  - Wide dynamic range
  - IR illumination
  - Autofocus
- Analytics:
  - Included
  - AXIS Video Motion Detection, AXIS Fence Guard, AXIS Loitering Guard, AXIS Motion Guard, active tampering alarm, gatekeeper
  - Supported
  - AXIS Perimeter Defender, AXIS Cross Line Detection

**Event triggers**
- Analytics, edge storage events
- Supervised external input, virtual inputs through API, shock detection

**Event actions**
- 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**
- Remote zoom, pixel counter, leveling assistant, auto rotation

**General**
- Casing:
  - IP66-, IP67-, and NEMA 4X-rated, IK10 impact-resistant aluminum enclosure with integrated dehumidifying membrane,
  - IK08 impact-resistant glass front window, weather shield with black anti-gleam coating
  - Color: White NSC S 1002-B
  - For repainting instructions of casing and impact on warranty, contact your Axis partner.
- Sustainability:
  - PVC free, 2% recycled plastic
- Memory:
  - 1024 MB RAM, 512 MB Flash
- Power:
  - Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 3
  - Typical: 7.7 W, max 12.95 W
  - 20–28 V DC, typical 7.8 W, max 13.5 W
  - 20–24 V AC, typical 12.4 V A, max 20 V A
- Connectors:
  - Shielded RJ45 10BASE-T/100BASE-TX PoE
  - IDC punchdown connector
  - DC Power connector
  - Terminal block for two configurable supervised inputs / digital outputs (12 V DC output, max load 50 mA)
  - 3.5 mm mic/in

**IR illumination**
- Optimized IR with power-efficient, long-life 850 nm IR LED’s with adjustable angle of illumination and intensity.
  - Range of reach 30 m (98 ft) in wide field of view and 80 m (262 ft) in full tele view, or more depending on the scene

**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 60 °C (-40 °F to 140 °F)
- Humidity 10-100% RH (condensing)

**Storage conditions**
- -40 °C to 65 °C (-40 °F to 149 °F)
- Humidity 5-95% RH (non-condensing)

**Approvals**
- EMC:
  - EN 55032 Class A, EN 50121-4, IEC 62236-4, EN 55024, EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class A
  - IEC/EN/UL 62368-1, IEC/EN/UL 60950-22
- Safety:
  - Environment
- Network:
  - EN 802.11n
- Other:
  - EN/IEC 62471

**Dimensions**
- Length: 386 mm (15 3/16 in)
  - 147 mm (5 13/16 in)

**Weight**
- 2.4 kg (5.3 lb)

**Included accessories**
- Installation Guide, Windows® decoder 1-user license, connector kit, Resistor® L-key
- RJ45 patch cable

**Optional accessories**
- AXIS T9144 Media Converter Switch
- AXIS T9144 100m Fiber, AXIS T9401B Corner Bracket
- AXIS Q17 Front Window Kit B (IK10 impact-resistant plastic front window)
For more accessories, see axis.com

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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:
axis.com/environmental-responsibility