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, auto-iris, 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 mm 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 1920 x 1080 HDTV 1080p to 160 x 120
Maximum pixel density with 32x optical zoom:
25 m (82 ft): 1912 px/m
50 m (164 ft): 936 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
VBR/ABR/MBR H.264

Image settings
Saturation, contrast, brightness, sharpness, Forensic WDR: Up to 120 dB depending on scene, defogging, white balance, day/night 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 masks
Rotation: auto, 0°, 90°, 180°, 270° including Corridor Format
Scene profiles: forensic, vivid, traffic overview, backlight entrance

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

Audio

Audio streaming Audio in, simplex
Audio compression AAC-LE 8/16/32/48 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8 kHz, Opus 8/16/48 kHz, LPCM
Configurable bit rate

Audio input/output Automatic gain control

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 USG6, HTTP, HTTPS®, SSL/TLS®, QoS Layer 3 DiffServ, FTP, SFTP, CIF/SM, SMTP, Bonjour, UPnP®, SNMP v1/v2c/v3 (MIB-II), DNS, DynDNS, RTP, RTSP, RTP, STP, UDP, ICMP, RTCP, DHCP, ARP, SOCKS, SSH, LLDP, MQTT

System integration

Application programming interface Open API for software integration, including VAPIX® and AXIS Camera Application Platform; specifications at axis.com
AXIS Video Hosting System (AVHS) 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
Support for AXIS Camera Application Platform enabling installation of third-party applications, see axis.com/acap

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, TCP and SNMP trap

Data streaming
Event data
Built-in installation aids
Remote zoom, pixel counter, leveling assistant, autorotation

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-glare coating
Color: White NCS 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 microline in

IR illumination
Optimized 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 and encryption 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)
Maximum temperature according to NEMA TS 2 (2.2.7): 74 °C (165 °F)
Humidity 10-100% RH (condensing)

Storage conditions
-40 °C to 60 °C (-40 °F to 149 °F)
Humidity 5-95% RH (non-condensing)

Approvals
EMC
EN 55032 Class A, EN 55011-1, IEC 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class A, ICES-003 Class A, CE Class A, RCM AS/NZS CISPR 32 Class A, FCC KN32 Class A, KN35, EAC
Safety
IEC/EN/UL 62368-1, IEC/EN/UL 60950-22
IS 13252
Environment
EN 50581, IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-14, IEC 60068-2-30, IEC 60068-2-27, IEC/EN 60529 IP66, IP67, IEC/EN 62262 IK10 body, IK08 glass, NEMA 250 Type 4X, NEMA TS 2 (2.2.7-2.2.9)
Network
NIST SP500-267
Other
EN/IEC 62471

Dimensions
Length: 386 mm (15 3/16 in)
817 mm (5 13/16 in)

Weight
2.4 kg (5.3 lb)

Included accessories
Installation guide, Windows® 1-user license, connector kit, Resistors® L-key, RJ45 patch cable
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<th>Optional accessories</th>
<th>Video management software</th>
<th>Languages</th>
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<tr>
<td>AXIS T8604 Media Converter Switch</td>
<td>AXIS Companion, AXIS Camera Station, video management software from Axis Application Development Partners available at axis.com/vms</td>
<td>English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese</td>
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<td>AXIS T91A47 Pole Mount, AXIS T94P01B Corner Bracket</td>
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<td>AXIS Q17 Front Window Kit B (IK10 impact-resistant plastic front window)</td>
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<td>For more accessories, see axis.com</td>
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**Warranty**  
Axis 3-year warranty and AXIS Extended Warranty option, see axis.com/warranty

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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