

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**



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Camera		Defogging
Image sensor	1/2.8" progressive scan RGB CMOS	Wide dynamic range
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	IR illumination
Day and night	Automatically removable infrared-cut filter in day mode and infrared-pass filter 720 nm in night mode	Autofocus
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	Event triggers
Shutter speed	1/66500 s to 1 s	Analytics, edge storage events
System on chip (SoC)		Supervised external input, virtual inputs through API, shock detection, audio detection
Model	ARTPEC-6	MQTT subscribe
Memory	1024 MB RAM, 512 MB Flash	Event actions
Video		Pre- and post-alarm video buffering
Video compression	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles Motion JPEG	File upload: FTP, SFTP, HTTP, HTTPS, network share and email
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	MQTT publish
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	Notification: email, HTTP, HTTPS, TCP and SNMP trap
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	Data streaming
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, backlit entrance	Event data
Pan/Tilt/Zoom	32x optical zoom, preset positions	Built-in installation aids
Audio		Remote zoom, pixel counter, leveling assistant, autorotation
Audio streaming	Audio in, simplex	Analytics
Audio encoding	AAC-LC 8/16/32/48 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8 kHz, Opus 8/16/48 kHz, LPCM Configurable bit rate	Applications
Audio input/output	Automatic gain control, external microphone input, line input, digital input with ring power, balanced microphone, balanced input	Included
Network		AXIS Motion Guard, AXIS Fence Guard, AXIS Loitering Guard
Security	Password protection, IP address filtering, HTTPS ^a encryption, IEEE 802.1x (EAP-TLS) ^a network access control, digest authentication, user access log, centralized certificate management, signed firmware, brute force delay protection	Supported
Supported protocols	IPv4, IPv6, USGv6, ICMPv4/ICMPv6, HTTP, HTTP/2, HTTPS ^a , SSL/TLS ^a , QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP [®] , SNMP v1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, RTSP, RTP, SRTP, TCP, UDP, IGMPv1/v2/v3, RTCP, ICMP, DHCPv4/v6, ARP, SOCKS, SSH, LLDP, CDP, MQTT v3.1.1, Syslog, Link-Local address (ZeroConf)	AXIS Perimeter Defender, AXIS Cross Line Detection
System integration		Support for AXIS Camera Application Platform enabling installation of third-party applications, see axis.com/acap
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 One-click cloud connection ONVIF [®] Profile G, ONVIF [®] Profile S, and ONVIF [®] Profile T, specification at onvif.org	General
Onscreen controls	Electronic image stabilization Day/night shift	Casing
		IP66-, IP67-, and NEMA 4X-rated, IK10 impact-resistant aluminum enclosure with integrated dehumidifying membrane, IK08 impact-resistant glass front window, weathershield 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 mic/line 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 (AES-XTS-Plain64 256bit) 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 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, ICES-003 Class A, VCCI Class A, RCM AS/NZS CISPR 32 Class A, KCC KN32 Class A, KN35, EAC
		Safety
		IEC/EN/UL 62368-1, IEC/EN/UL 60950-22, EN/IEC 62471 IS 13252
		Environment
		EN 50581, IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-6, IEC 60068-2-14, IEC 60068-2-30, IEC 60068-2-27, IEC 60068-2-78, 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
Dimensions	Length: 386 mm (15 3/16 in) ø 147 mm (5 13/16 in)
Weight	2.4 kg (5.3 lb)
Included accessories	Installation guide, Windows® decoder 1-user license, connector kit, Resistorx® L-key RJ45 patch cable
Optional accessories	AXIS T8604 Media Converter Switch AXIS T91A47 Pole Mount, AXIS T94P01B Corner Bracket AXIS Q17 Front Window Kit B (IK10 impact-resistant plastic front window) For 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	5-year warranty, 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:

axis.com/environmental-responsibility