

AXIS Q1798-LE Network Camera

4K without compromise

AXIS Q1798-LE features a powerful, ultra-high light-sensitive 4/3" image sensor that captures superior video and excellent details in resolutions up to 10 megapixels. Thanks to Axis Lightfinder 2.0, it delivers true colors in almost complete darkness. Including a Canon lens with focal length of 12-48 mm and horizontal field of view of 90°, it's ideal for wide, open areas such as airports, harbors or sports stadiums. It offers built-in analytics for proactive surveillance and includes audio in, Axis OptimizedIR, shock detection, auto-rotation as well as enhanced security functionality. Furthermore, Axis Zipstream supporting H.264/H.265 provides exceptional savings on bandwidth and storage requirements.

- > **4K / 10 MP resolutions**
- > **Ultra-high light-sensitive 4/3" sensor**
- > **12 – 48 mm Canon lens**
- > **Axis Lightfinder 2.0**
- > **Zipstream with support for H.264/H.265**



AXIS Q1798-LE Network Camera

Camera		Wide dynamic range Video streaming indicator Day/night shift
Image sensor	4/3" back-illuminated color CMOS	
Lens	Canon 12–48 mm, F1.7–4.0 4K Horizontal field of view: 90°–21° Vertical field of view: 49°–12° 10MP Horizontal field of view: 86°–20° Vertical field of view: 62°–15° Autofocus (zoom triggered), auto-iris, automatic day/night	
Day and night	Automatically removable infrared-cut filter in day mode and infrared-band-pass filter 800–900 nm in night mode	
Minimum illumination	Color: 0.03 lux at 50 IRE F1.7 B/W: 0.006 lux at 50 IRE F1.7, 0 lux with IR illumination on	
Shutter time	1/45500 s to 2 s	
Video		
Video compression	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles H.265 (MPEG-H Part 2/HEVC) Main Profile Motion JPEG	
Resolution	3712x2784 10 MP to 160x90 3840x2160 4K to 160x90 Maximum pixel density with 4x optical zoom: 10 m (32 ft): 1036 px/m 25 m (82 ft): 414 px/m 50 m (164 ft): 207 px/m	
Frame rate	4K: Up to 25/30 fps (50/60 Hz) 10 MP: Up to 20 fps (50/60 Hz)	
Video streaming	Multiple, individually configurable streams in H.264, H.265 and Motion JPEG Axis Zipstream technology in H.264 and H.265 Controllable frame rate and bandwidth VBR/ABR/MBR H.264/H.265 Video stream indicator	
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	
Pan/Tilt/Zoom	4x optical zoom, preset positions	
Audio		
Audio streaming	Audio in, simplex	
Audio compression	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	
Audio input/output	External microphone input, line input, digital input with ring power, balanced microphone, balanced input.	
Network		
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, secure boot Brute force delay protection	
Supported protocols	IPv4, IPv6 USGv6, HTTP, HTTPS ^a , SSL/TLS ^a , QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, 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	IR Illumination Electronic image stabilization Defogging Autofocus	
Analytics	Included AXIS Video Motion Detection, AXIS Fence Guard, AXIS Loitering Guard, AXIS Motion Guard, active tampering alarm Supported AXIS Perimeter Defender, 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, HTTPS, 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, 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. PVC free, 2% recycled plastic	
Memory	2048 MB RAM, 512 MB Flash	
Power	Power over Ethernet (PoE) IEEE 802.3at Type 2 Class 4 Typical 13.3 W, max 24.0 W 20–28 V DC, typical 12.9 W, max 23.2 W 20–24 V AC, typical 19.4 V A, max 33.0 V A	
Connectors	Shielded RJ45 10BASE-T/100BASE-TX/1000BASE-T IDC punchdown connector AC and 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	AXIS OptimizedIR with power-efficient, long-life 850 nm IR LED's with adjustable intensity. Range of reach more than 50 m (164 ft) in wide field of view and 100 m (328 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, 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 IS 13252 Environment IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-6, IEC 60068-2-14, IEC 60068-2-27, IEC 60068-2-78, IEC/EN 62262 IK10, IEC/EN 60529 IP66/IP67, NEMA 250 Type 4X, NEMA TS 2 (Subsection 2.2.7–2.2.9) Network NIST SP500-267 Other EN/IEC 62471	
Dimensions	Length: 360 mm (14 11/64 in) ø 147 mm (5 13/16 in)	

Weight	2.55 kg (5.3 lb)	Languages	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese
Included accessories	Installation Guide, Windows® decoder 1-user license, connector kit, Resistorx® L-key RJ45 patch cable	Warranty	Axis 3-year warranty and AXIS Extended Warranty option, see axis.com/warranty
Optional accessories	AXIS T8604 Media Converter Switch AXIS T91B47 Pole Mount, AXIS T94P01B Corner Bracket For more accessories, see axis.com	a.	<i>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).</i>
Video management software	AXIS Companion, AXIS Camera Station, video management software from Axis' Application Development Partners available at axis.com/vms	Environmental responsibility:	axis.com/environmental-responsibility