

# 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

<b>Camera</b>		Wide dynamic range Video streaming indicator Day/night shift
<b>Image sensor</b>	4/3" back-illuminated color CMOS	
<b>Lens</b>	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	
<b>Day and night</b>	Automatically removable infrared-cut filter in day mode and infrared-band-pass filter 800–900 nm in night mode	
<b>Minimum illumination</b>	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	
<b>Shutter time</b>	1/45500 s to 2 s	
<b>Video</b>		
<b>Video compression</b>	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles H.265 (MPEG-H Part 2/HEVC) Main Profile Motion JPEG	
<b>Resolution</b>	3712x2784 10 MP to 160x90 3840x2160 4K to 160x90 <b>Maximum pixel density with 4x optical zoom:</b> 10 m (32 ft): 1036 px/m 25 m (82 ft): 414 px/m 50 m (164 ft): 207 px/m	
<b>Frame rate</b>	4K: Up to 25/30 fps (50/60 Hz) 10 MP: Up to 20 fps (50/60 Hz)	
<b>Video streaming</b>	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	
<b>Image settings</b>	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	
<b>Pan/Tilt/Zoom</b>	4x optical zoom, preset positions	
<b>Audio</b>		
<b>Audio streaming</b>	Audio in, simplex	
<b>Audio compression</b>	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	
<b>Audio input/output</b>	External microphone input, line input, digital input with ring power, balanced microphone, balanced input.	
<b>Network</b>		
<b>Security</b>	Password protection, IP address filtering, HTTPS <sup>a</sup> encryption, IEEE 802.1x (EAP-TLS) <sup>a</sup> network access control, digest authentication, user access log, centralized certificate management, signed firmware, secure boot Brute force delay protection	
<b>Supported protocols</b>	IPv4, IPv6 USGv6, HTTP, HTTPS <sup>a</sup> , SSL/TLS <sup>a</sup> , QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, Bonjour, UPnP <sup>®</sup> , SNMP v1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, SRTP, TCP, UDP, IGMP, RTCP, ICMP, DHCP, ARP, SOCKS, SSH, LLDP	
<b>System integration</b>		
<b>Application Programming Interface</b>	Open API for software integration, including VAPIX <sup>®</sup> and AXIS Camera Application Platform; specifications at <a href="http://axis.com">axis.com</a> AXIS Guardian with One-Click Connection ONVIF <sup>®</sup> Profile G, ONVIF <sup>®</sup> Profile S, and ONVIF <sup>®</sup> Profile T, specification at <a href="http://onvif.org">onvif.org</a>	
<b>Onscreen controls</b>	IR Illumination Electronic image stabilization Defogging Autofocus	
<b>Analytics</b>	<b>Included</b> AXIS Video Motion Detection, AXIS Fence Guard, AXIS Loitering Guard, AXIS Motion Guard, active tampering alarm <b>Supported</b> AXIS Perimeter Defender, Support for AXIS Camera Application Platform enabling installation of third-party applications, see <a href="http://axis.com/acap">axis.com/acap</a>	
<b>Event triggers</b>	Analytics, edge storage events Supervised external input, virtual inputs through API, shock detection	
<b>Event actions</b>	Pre- and post-alarm video buffering File upload: FTP, SFTP, HTTP, HTTPS, network share and email Notification: email, HTTP, HTTPS, TCP and SNMP trap	
<b>Data streaming</b>	Event data	
<b>Built-in installation aids</b>	Remote zoom, pixel counter, leveling assistant, autorotation	
<b>General</b>		
<b>Casing</b>	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	
<b>Memory</b>	2048 MB RAM, 512 MB Flash	
<b>Power</b>	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	
<b>Connectors</b>	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	
<b>IR illumination</b>	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.	
<b>Storage</b>	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 <a href="http://axis.com">axis.com</a>	
<b>Operating conditions</b>	-40 °C to 60 °C (-40 °F to 140 °F) Humidity 10–100% RH (condensing)	
<b>Storage conditions</b>	-40 °C to 65 °C (-40 °F to 149 °F) Humidity 5–95% RH (non-condensing)	
<b>Approvals</b>	<b>EMC</b> 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 <b>Safety</b> IEC/EN/UL 62368-1, IEC/EN/UL 60950-22 IS 13252 <b>Environment</b> 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) <b>Network</b> NIST SP500-267 <b>Other</b> EN/IEC 62471	
<b>Dimensions</b>	Length: 360 mm (14 11/64 in) ø 147 mm (5 13/16 in)	

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