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
## Camera
- **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
- **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**
- **Controlable frame rate and bandwidth**
- **VBR/ABR/MBR**
  - 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

### Audio
- **Audio in, simplex**
- **Audio encoding**: AAC-LC / 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, 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, secure boot, brute force delay protection
- **Supported protocols**: IPv4, IPv6, DNS, DHCP, FTP, TFTP, HTTP, HTTPS, SSL/TLS®, GoS Layer 3 DiffServ, RTP, RTCP, SMTP, Bonjour, UPnP®, SNMP v1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, RTCP, TCP, UDP, IGMP, RTCP, ICMP, DHCPv4/v6, ARP, SOCKS, SSH, LLDP, MQTT, Syslog

### 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**: IR Illumination
  - Electronic image stabilization

### Analytics
- **Machine learning processing unit (MLPU)**
- **Included**: AXIS Video Motion Detection, AXIS Fence Guard, AXIS Loitering Guard, AXIS Motion Guard, active tampering alarm

### General
- **Casing**: IP66/IP67, and NEMA 4X-rated, IK10 impact-resistant aluminum enclosure with integrated dehumidifying membrane, weatherproof with black anti-glare coating
- **Color**: White NCS S 1002-B
- **For reprinting instructions of casing and impact on warranty, contact your Axis partner.

### Sustainability
- **PVC free, 2% recycled plastic**

### Memory
- **2048 MB RAM, 512 MB Flash**

### Power
- **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
- **ICV pushdown 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/jack in

### IR Illumination
- **AXIS OptimizedIR** with power-efficient, long-life 850 mm IR LEDs 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 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 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 61000-6-2, FCC Part 15 Subpart B Class A, IEC/EN 61000-6-2, FCC Part 15 Subpart B Class A, IEC/EN 61000-6-2, FCC Part 15 Subpart B Class A, IEC/EN 61000-6-2, FCC Part 15 Subpart B Class A
- **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 622626K10, IEC/EN 60529 IP66/IP67, NEMA 250 Type 4X, NEMA TS 2 (2.2.7–2.2.9)
## NIST SP500–267

### Dimensions
- **Length:** 360 mm (14 11/64 in)
- **Ø:** 147 mm (5 13/16 in)

### Weight
- 2.55 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 T91B47 Pole Mount, AXIS T94P01B Corner Bracket
- For more accessories, see [axis.com](http://axis.com)

### Video management software
- AXIS Companion, AXIS Camera Station, video management software from Axis’ Application Development Partners available at [axis.com/vms](http://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](http://axis.com/warranty)

a. This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit ([openssl.org](http://openssl.org)), and cryptographic software written by Eric Young ([eay@cryptsoft.com](mailto:eay@cryptsoft.com)).

### Environmental responsibility:
- [axis.com/environmental-responsibility](http://axis.com/environmental-responsibility)