AXIS Q1942-E Thermal Network Camera
Outstanding VGA detection and powerful video analytics

AXIS Q1942-E is an affordable outdoor, bullet style, thermal camera with a built-in window heater for harsh weather conditions. A resolution of 640x480 and a range of lens alternatives (10 mm, 19 mm, 35 mm and 60 mm) make it possible to optimize detection performance to meet most requirements. It supports Electronic Image Stabilization that keeps the video smooth during vibrations, and Axis Zipstream that lowers bandwidth and storage requirements. Thanks to its powerful processor, AXIS Q1942-E has high capacity for running video analytics via AXIS Camera Application Platform (ACAP) and can use a range of third party applications.

> VGA resolution
> High performance for video analytics
> Reliable detection and fast verification
> Electronic Image Stabilization
> Axis Zipstream technology
AXIS Q1942-E Thermal Network Camera

Models
- AXIS Q1942-E 10 mm/19 mm/35 mm or 60 mm

Camera
- Image sensor: Uncooled Microbolometer 640x480, pixel size: 17 μm
- Spectral range: 8-14 μm
- Lens: Athermalized 10 mm
  - Horizontal field of view: 63°, F1.24
  - Near focus distance: 2.8 m (9 ft)
- 19 mm
  - Horizontal field of view: 31°, F1.23
  - Near focus distance: 9.2 m (30 ft)
- 35 mm
  - Horizontal field of view: 17°, F1.20
  - Near focus distance: 33 m (108 ft)
- 60 mm
  - Horizontal field of view: 10°, F1.25
  - Near focus distance: 91 m (300 ft)
- Sensitivity: NETD < 50 mK

Video
- Video compression: H.264 (MPEG-4 Part 10(AVC) Baseline, Main and High Profiles Motion JPEG
- Resolution: Sensor is 640x480. Image can be scaled up to 800x600 (SVGA).
- Frame rate: Up to 8.3 fps and 30 fps
- Video streaming: At least three H.264 and Motion JPEG streams, simultaneous and individually configured in max. resolution in full frame rate
- Axis Zipstream technology in H.264
- Controllable frame rate and bandwidth
- VBR/ABR/MBR H.264
- Image settings: Compression, brightness, sharpness, contrast, exposure zone, text and image overlay, privacy mask, mirroring of images, electronic image stabilization, multiple palettes
- Rotation: 0°, 90°, 180°, 270° including Corridor Format

Audio
- Audio streaming: Two-way, full duplex
- Audio compression: 24bit LPCM, AAC-LC 8/16 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8, 64/816/48 kHz
- Configurable bit rate
- Audio input/output: External microphone input or line input, line output

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, brute force delay protection, signed firmware

Supported protocols
- IPv4, IPv6 USDv6, HTTP, HTTPS®, SSL/TLS®, QoS Layer, 3 DiffServ, FTP, CIFS/SMB, SMTP, Bonjour, UPnP™, SNMP v1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, SFTP, TCP, UDP, IGMP, RTCP, ICMP, 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 and ONVIF® Profile S specification at onvif.org

Analytics
- Included: AXIS Video Motion Detection, AXIS Motion Guard, AXIS Fence Guard, AXIS Loitering Guard, audio detection, active tampering alarm
- Supported: AXIS Perimeter Defender

Event triggers: Analytics, temperature, external input, time scheduled, edge storage events

Event actions: Record video: SD card and network share
- Upload of images or video clips: FTP, SFTP, HTTP, HTTPS network share and email
- Pre- and post-alarm video or image buffering for recording or upload
- Notification: email, HTTP, HTTPS, TCP and SNMP trap

Data streaming
- Overlay text, play audio clip

Built-in installation aids
- Pixel counter

General
- Casing: IP66-, IP67- and NEMA 4x-rated Metal casing (aluminum) with integrated dehumidifying membrane and a germanium window
- Color: White NCS S 1002-B
- Sustainability: PVC free
- Memory: 512 MB RAM, 256 MB Flash
- Power: Power over Ethernet IEEE 802.3afb/802.3at Type 1 Class 3 Typical 4.8 W, max 11.8 W 8–28 V DC, typical 6.6 W, max 13 W 20–24 V AC (50/60 Hz), typical 11 VA, max 19 VA
- Power supply not included.

Connectors: RJ45 10BASE-T/100BASE-TX PoE

Storage
- I/O connector for DC or AC input, two configurable inputs/outputs and mic input line in, line out, (AXIS Multicable A I/O Audio not included), AC/DC Input
- 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)
- De-icing capability, compliant to MIL-STD-810F Method 521.3

Storage conditions:
- ~40 °C to 70 °C (~40 °F to 158 °F)

Approvals
- EMC: EN 55022 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 B, RCM AS/NZS CISPR22 Class A
- KCC: KN32 Class A, KN35
- IEC 60529 IP65/IP67
- Network: NIST SP500-267

Dimensions: 344 x 146 mm (13.9/16 x 5.3/4 in)

Weight: 10/19/35 mm: 2000 g (4.4 lb)
- 60 mm: 2200 g (4.9 lb)

Included accessories: Resistors L-key, wall and ceiling mount bracket terminal block connector
- Installation Guide, Windows® decoder 1-user license

Optional accessories: AXIS T98A17-VE Surveillance Cabinet, AXIS T940GTP, AXIS T941A47 Pole Mount, AXIS Multicable A I/O Audio, AXIS PoE Midspan, AXIS T8129 PoE Extender, AXIS T8640 PoE+ over Coax Adapter Kit, AXIS T8604 Media Converter Switch
- AXIS T8415 Wireless Installation Tool
- 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: Axis 3-year warranty and AXIS Extended Warranty option, see axis.com/warranty

Export control: This product is subject to export control regulations. You should always consult and comply with the regulations of the appropriate local export control authorities.

a. This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit (www.openssl.org), and cryptographic software written by Eric Young (eey@cryptsoft.com).