AXIS Q1941-E Thermal Network Camera

Outstanding detection and powerful video analytics

AXIS Q1941-E is an affordable outdoor, bullet style, thermal camera with a built-in window heater for harsh weather conditions. A resolution of 384x288 and a range of lenses alternatives (7 mm, 13mm, 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 Q1941-E has high capacity for running video analytics via AXIS Camera Application Platform (ACAP) and can use a range of third party applications.

- > High performance for intelligent video analytics via ACAP
- > Outstanding image contrast gives reliable detection and fast verification
- > Electronic Image Stabilization
- > Axis' Zipstream technology

AXIS Q1941-E Thermal Network Camera

Models	AXIS Q1941–E 7 mm/13 mm/19 mm/35 mm/60 mm
Camera	
Image sensor	Uncooled Micro bolometer 384x288, pixel pitch: 17µm
Lens	7 mm: 55° view[a], F1.2 13 mm: 28° view[a], F1.0 19 mm: 19.4° view[a], F1.23 35 mm: 10.7° view[a], F1.2 60 mm: 6.2° view[a], F1.25
Sensitivity	NETD < 70 mK
Video	
Video compression	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles Motion JPEG
Resolutions	Sensor is 384x288. Image can be scaled up to 768x576
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/MBR H.264
Image settings	Compression, Brightness, Sharpness, Contrast, Exposure zone, Rotation: 0°, 90°, 180°, 270° including Corridor Format, Text and image overlay, Privacy mask, Mirroring of images, Electronic Image Stabilization
Audio	
Audio streaming	Two-way, full duplex
Audio compression	AAC-LC 8/16 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8 kHz Configurable bit rate
Audio input/output	External microphone input or line input, Line output
Network	
Security	Password protection, IP address filtering, HTTPS[b] encryption, IEEE 802.1X[b] network access control, Digest authentication, User access log, Centralized Certificate Management
Supported protocols	IPv4/v6, HTTP, HTTPS[b], SSL/TLS[b], 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
System integration	
Application Programming Interface	Open API for software integration, including VAPIX® and AXIS Camera Application Platform; specifications at *www.axis.com* AXIS Video Hosting System (AVHS) with One-Click Connection ONVIF Profile S, specification at *www.onvif.org*
Analytics	Video motion detection, Audio detection, Shock detection Support for AXIS Camera Application Platform, see *www.axis.com/acap*
Event triggers	Analytics, External input, Temperature, Edge storage events, Time schedule
Event actions	File upload: FTP, SFTP, HTTP, HTTPS network share and email Notification: email, HTTP, HTTPS and TCP and SNMP trap External output activation Video and audio recording to edge storage Play audio clip Pre- and post-alarm video buffering Overlay text
Data streaming	Event data
Built-in installation aids	Pixel counter
General	
Casing	IP66- and IP67-rated metal casing (Aluminium) with integrated dehumidifying membrane and a germanium window Color: White NCS S 1002-B
Memory	512 MB RAM, 256 MB Flash
Power	Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 3, Typical 4.4 W, max 11.5 W 8–28 V DC, Typical 10 W, max. 13 W, or 20–24 V AC 50–60 Hz, Typical 15 VA, max. 18 VA, power supply not included
Connectors	RJ45 10BASE-T/100BASE-TX PoE, I/O connector for DC or AC input, two configurable inputs/outputs and mic in/line in, line out. (AXIS Multicable A I/O Audio not included) AC/DC input
Edge storage	Support for microSD/microSD§HC/microSDXC card Support for recording to dedicated network-attached storage (NAS) For SD card and NAS recommendations see *www.axis.com*
Operating conditions	–40°C to 60 °C (32 °F to 140 °F) Humidity 10–100% RH (condensing)
Storage conditions	–40 °C to 70 °C (–40 °F to 158 °F)
Approvals	**EMC** EN 55022 Class A, EN 50121-4, IEC 62236, EN 55024, EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class A, ICES-003 Class A, VCCI Class A, C-tick AS/NZS CISPR22 Class A, KCC KN22 Class A, KN24, **Safety** IEC/EN/UL 60950-1, IEC/EN/UL 60950-22, **Environment** EN 50581, IEC 60529 IP66, NEMA 250 Type 4X, IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-6 Class 4M4, IEC 60068-2-27, IEC 60068-2-52, IEC 60721-3-4 Class 4K3
Weight	AXIS Q1941–E 7 mm: 2000 g (4.4 lb) AXIS Q1941-E 13 mm: 2000 g (4.4 lb) AXIS Q1941-E 19 mm: 2000 g (4.4 lb) AXIS Q1941-E 35 mm: 2100 g (4.6 lb) AXIS Q1941-E 60 mm: 2200 g (4.9 lb)
Included accessories	Installation Guide, Windows decoder 1-user license, AXIS Motion Detection 3, Torx T20 screw driver, Wall and ceiling mount bracket, Terminal block connector
Optional accessories	Axis PoE Midspans, AXIS T8129 PoE Extender, AXIS T8640 PoE+ over Coax Adapter Kit, AXIS T8604 Media Converter Switch, AXIS T98A17-VE Surveillance Cabinet, AXIS T91A47 Pole Mount, AXIS T8415 Wireless Installation Tool, AXIS Multicable A I/O Audio For more accessories, see *www.axis.com*
Video management software	AXIS Camera Companion, AXIS Camera Station, Video management software from Axis' Application Development Partners available on *www.axis.com/techsup/software*
Languages	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese
Warranty	Axis 3-year warranty and AXIS Extended Warranty option, see *www.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. *Horizontal angle of view*
b. *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 (eay@cryptsoft.com).*

More information is available at www.axis.com

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