AXIS Q1931-E Thermal Network Camera
Superior detection and wide range coverage

The bullet-style, outdoor-ready AXIS Q1931-E allows users to detect people, objects and incidents in complete darkness or difficult conditions. A noise filter gives improved thermal image contrast while keeping noise levels low, without adding blur and ghost effects or losing temperature information. AXIS Q1931-E supports two-way audio, cross line detection and shock detection. It also provides capacity for third-party analytics modules. It is designed to withstand harsh weather conditions and has a built-in heater for the window. Easy installation with Power over Ethernet (IEEE 802.3af). The cameras also have a memory card slot for storing recordings locally.

> **Thermal imaging**
> **Intelligent video applications included**
> **Shock detection**
> **Multiple lens options**

AXIS Q1931-E Thermal Network Camera

Models	AXIS Q1931-E 7/13/35 or 60 mm
Camera	
Image sensor	Uncooled Micro bolometer 384x288, pixel size: 17 µm Spectral range: 8–14 µm
Lens	7 mm: Horizontal angle of view: 55°, F1.2 13 mm: Horizontal angle of view: 28°, F1.0 35 mm: Horizontal angle of view: 10.7°, F1.2 60 mm: Horizontal angle of view: 6.2°, F1.25
Sensitivity	NETD < 70 mK
Video	
Video compression	H.264 (MPEG-4 Part 10/AVC) Baseline and Main 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 using the same palette, simultaneous and individually configured in max. resolution at 30 fps Controllable frame rate and bandwidth, VBR/CBR H.264
Image settings	Compression, Brightness, Exposure control, Rotation, Mirroring of images, Text and image overlay, Privacy mask Axis' Corridor Format
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[a] encryption, IEEE 802.1X[a] network access control, Digest authentication, User access log, Centralized Certificate Management
Supported protocols	IPv4/v6, HTTP, HTTPS[a], SSL/TLS[a], 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	AXIS Video Motion Detection 2, AXIS Cross Line Detection, Shock detection Audio detection Support for AXIS Camera Application Platform enabling installation of AXIS Video Motion Detection 3 and third-party applications, see www.axis.com/acap
Event triggers	Analytics, Temperature, External input, Time scheduled, Edge storage events Audio
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 recording to edge storage Pre- and post-alarm video buffering Audio recording to edge storage
Data streaming	Event data
General	

Casing	IP66- and NEMA 4X-rated metal casing (Aluminium) with integrated dehumidifying membrane and a germanium window Color: White NCS S 1002-B
Memory	256 MB RAM, 128 MB Flash
Power	Power over Ethernet IEEE 802.3af/802.3at Type 1 Class 3 Max 10 W 8-28 V DC: max 11 W 20-24 V AC (50/60 Hz): max 15 VA Power supply not included.
Connectors	RJ45 10BASE-T/100BASE-TX PoE Terminal block for power Eight circuit PCB header for two configurable inputs/outputs and audio
Edge storage	Support for microSD/microSDHC/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 (-40 °F to 142 °F) Humidity 10–100% RH (condensing)
Storage conditions	-40 °C to 70 °C (-40 °F to 158 °F)
Approvals	EN 50121-4, EN 55024, EN 61000-3-2, EN 61000-3-3, EN 61000-6-1, EN 61000-6-2, IEC/EN/UL 60950-1, IEC/EN/UL 60950-22, 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 EN 55022 Class B, FCC Part 15 Subpart B Class B, ICES-003 Class B, VCCI Class B, C-tick AS/NZS CISPR22 Class B, KCC KN22 Class B, KN24
Dimensions	344 x 146 mm (13 9/16 x 5 3/4 in)
Weight	**7/13 mm:** 2000 g (4.4 lb) **35 mm:** 2100 g (4.6 lb) **60 mm:** 2200 g (4.9 lb)
Included accessories	Installation Guide, Windows decoder 1-user license, Torx T20 screw driver Wall and ceiling mount bracket, RJ45 network cable 5 m (16 ft) Pipe converter for US
Optional accessories	AXIS T98A17-VE Surveillance Cabinet, AXIS T94G01P, AXIS T91A47 Pole Mount, AXIS Multicable A I/O Audio 5m Axis PoE Midspans, AXIS T8129 PoE Extender, AXIS T8640 PoE+ over Coax Adapter Kit, AXIS T8604 Media Converter Switch
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, Traditional Chinese
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. *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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