

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	Built-in installation aids	Pixel counter
Camera		General	
Image sensor	Uncooled Micro bolometer 640x480, pixel size: 17 µm Spectral range: 8-14 µm	Casing	IP66-, IP67- and NEMA 4X-rated Metal casing (aluminum) with integrated dehumidifying membrane and a germanium window Color: White NCS S 1002-B
Lens	Athermalized 10 mm Horizontal field of view: 63°, F1.24 Near focus distance: 2.8 m (9.2 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)	Sustainability	PVC free
Sensitivity	NETD < 50 mK	Memory	512 MB RAM, 256 MB Flash
Video		Power	Power over Ethernet IEEE 802.3af/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.
Video compression	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles Motion JPEG	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
Resolution	Sensor is 640x480. Image can be scaled up to 800x600 (SVGA).	Storage	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 www.axis.com
Frame rate	Up to 8.3 fps and 30 fps	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
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	Storage conditions	-40 °C to 70 °C (-40 °F to 158 °F)
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	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 A, RCM AS/NZS CISPR22 Class A KCC KN32 Class A, KN35 Safety IEC/EN/UL 60950-1, IEC/EN/UL 60950-22 Environment EN 50581, 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, MIL-STD-810F Method 521.3 IEC 60529 IP66/IP67
Audio		Dimensions	344 x 146 mm (13 9/16 x 5 3/4 in)
Audio streaming	Two-way, full duplex	Weight	10/19/35 mm: 2000 g (4.4 lb) 60 mm: 2200 g (4.9 lb)
Audio compression	AAC-LC 8/16 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8 kHz Configurable bit rate	Included accessories	Resistorx® L-key Wall and ceiling mount bracket terminal block connector Installation Guide, Windows decoder 1-user license
Audio input/output	External microphone input or line input, Line output	Optional accessories	AXIS T98A17-VE Surveillance Cabinet, AXIS T94G01P, AXIS T91A47 Pole Mount, AXIS Multicable A I/O Audio, Axis PoE Midspans, 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 www.axis.com
Network		Video management software	AXIS Companion, AXIS Camera Station, Video management software from Axis' Application Development Partners available on www.axis.com/vms
Security	Password protection, IP address filtering, HTTPS ^a encryption, IEEE 802.1X ^a network access control, Digest authentication, User access log, Centralized Certificate Management	Languages	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese
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, LLDP	Warranty	Axis 3-year warranty and AXIS Extended Warranty option, see www.axis.com/warranty
System integration		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.
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 and ONVIF® Profile G, specification at www.onvif.org	Environmental responsibility: www.axis.com/environmental-responsibility	
Analytics	Included AXIS Video Motion Detection, audio detection Supported AXIS Perimeter Defender Support for AXIS Camera Application Platform enabling installation of third-party applications, see www.axis.com/acap	Environmental responsibility: www.axis.com/environmental-responsibility	
Event triggers	Analytics, temperature, external input, time scheduled, edge storage events	Environmental responsibility: www.axis.com/environmental-responsibility	
Event actions	File upload: FTP, SFTP, HTTP, HTTPS network share, email Notification: email, HTTP, HTTPS and TCP, SNMP trap External output activation Video recording to edge storage Pre- and post-alarm video buffering Play audio clip, overlay text	Environmental responsibility: www.axis.com/environmental-responsibility	
Data streaming	Event data	Environmental responsibility: www.axis.com/environmental-responsibility	

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 (ey@cryptsoft.com).