

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	Applications	Included AXIS Motion Guard, AXIS Fence Guard, AXIS Loitering Guard AXIS Video Motion Detection, audio detection, active tampering alarm Supported AXIS Perimeter Defender Support for AXIS Camera Application Platform enabling installation of third-party applications, see axis.com/acap
Camera			
Image sensor	Uncooled Micro bolometer 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 (9.2 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)		
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 encoding	24bit LPCM, AAC-LC 8/16 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8 kHz, Opus 8/16/48 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 (EAP-TLS) ^a network access control, digest authentication, user access log, centralized certificate management, brute force delay protection, signed firmware		
Supported protocols	IPv4, IPv6 USGv6, HTTP, HTTPS ^a , SSL/TLS ^a , QoS Layer 3 DiffServ, FTP, CIFS/SMB, SMTP, Bonjour, UPnP TM , SNMP v1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, SRTP, SFTP, TCP, UDP, IGMPv1/v2/v3, RTCP, ICMP, DHCP, ARP, SOCKS, SSH, LLDP, MQTT v3.1.1		
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 One-click cloud connection ONVIF [®] Profile G and ONVIF [®] Profile S specification at onvif.org		
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 Overlay text, play audio clip		
Data streaming	Event data		
Built-in installation aids	Pixel counter		
Analytics			
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 802.3af/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.		
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		
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 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 A, RCM AS/NZS CISPR22 Class A KCC KN32 Class A, KN35 Safety IEC/EN/UL 60950-1, IEC/EN/UL 60950-22, IS 13252 EN 62368-1 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 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	Resistorx [®] 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 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 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	5-year warranty, 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 (ey@cryptsoft.com).*

Environmental responsibility:
axis.com/environmental-responsibility