

# AXIS Q1941-E Thermal Network Camera

## Outstanding detection and powerful video analytics

AXIS Q1941-E is an outdoor, bullet style, thermal camera with a built-in window heater for harsh weather conditions. 384x288 resolution and lens alternatives between 7 mm to 60 mm make it possible to optimize detection performance. It supports Electronic Image Stabilization to keep the video smooth during vibrations, and Axis Zipstream that lowers bandwidth and storage requirements. AXIS Q1941-E comes with AXIS Guard Suite analytics and have support for more analytics such as AXIS Perimeter Defender or any other AXIS Camera Application Platform 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 Guard Suite included](#)



# AXIS Q1941-E Thermal Network Camera

<b>Models</b>	AXIS Q1941-E 7 mm/13 mm/19 mm/35 mm or 60 mm	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
<b>Camera</b>		
<b>Image sensor</b>	Uncooled Micro bolometer 384x288, pixel size: 17 µm Spectral range: 8-14 µm	
<b>Lens</b>	Athermalized <b>7 mm</b> Horizontal field of view: 55°, F1.18 Near focus distance: 1.3 m (4.3 ft) <b>13 mm</b> Horizontal field of view: 28°, F1.0 Near focus distance: 5.3 m (17 ft) <b>19 mm</b> Horizontal field of view: 19.4°, F1.23 Near focus distance: 9.2 m (30 ft) <b>35 mm</b> Horizontal field of view: 10.5°, F1.2 Near focus distance: 33 m (108 ft) <b>60 mm</b> Horizontal field of view: 6.2°, F1.25 Near focus distance: 91 m (300 ft)	
<b>Sensitivity</b>	NETD < 70 mK	
<b>Video</b>		
<b>Video compression</b>	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles Motion JPEG	
<b>Resolution</b>	Sensor is 384x288. Image can be scaled up to 768x576.	
<b>Frame rate</b>	Up to 8.3 fps and 30 fps	
<b>Video streaming</b>	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	
<b>Image settings</b>	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	
<b>Audio</b>		
<b>Audio streaming</b>	Two-way, full duplex	
<b>Audio compression</b>	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	
<b>Audio input/output</b>	External microphone input or line input, line output	
<b>Network</b>		
<b>Security</b>	Password protection, IP address filtering, HTTPS <sup>a</sup> encryption, IEEE 802.1x (EAP-TLS) <sup>a</sup> network access control, digest authentication, user access log, centralized certificate management, brute force delay protection, signed firmware	
<b>Supported protocols</b>	IPv4, IPv6 USGv6, HTTP, HTTPS <sup>a</sup> , SSL/TLS <sup>a</sup> , QoS Layer 3 DiffServ, FTP, CIFS/SMB, SMTP, Bonjour, UPnP <sup>TM</sup> , SNMP v1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, SRTP, SFTP, TCP, UDP, IGMP, RTCP, ICMP, DHCP, ARP, SOCKS, SSH, LLDP	
<b>System integration</b>		
<b>Application Programming Interface</b>	Open API for software integration, including VAPIX <sup>®</sup> and AXIS Camera Application Platform; specifications at <a href="http://axis.com">axis.com</a> AXIS Video Hosting System (AVHS) with One-Click Connection ONVIF <sup>®</sup> Profile G and ONVIF <sup>®</sup> Profile S specification at <a href="http://onvif.org">onvif.org</a>	
<b>Analytics</b>	<b>Included</b> AXIS Video Motion Detection, AXIS Motion Guard, AXIS Fence Guard, AXIS Loitering Guard, audio detection, active tampering alarm <b>Supported</b> AXIS Perimeter Defender Support for AXIS Camera Application Platform enabling installation of third-party applications, see <a href="http://axis.com/acap">axis.com/acap</a>	
<b>Event triggers</b>	Analytics, temperature, external input, time scheduled, edge storage events	
<b>Event actions</b>	Record video: SD card and network share Upload of images or video clips: FTP, SFTP, HTTP, HTTPS network share and email	
<b>Data streaming</b>	Event data	
<b>Built-in installation aids</b>	Pixel counter	
<b>General</b>		
<b>Casing</b>	IP66-, IP67- and NEMA 4X-rated Metal casing (aluminum) with integrated dehumidifying membrane and a germanium window Color: White NCS S 1002-B	
<b>Sustainability</b>	PVC free	
<b>Memory</b>	512 MB RAM, 256 MB Flash	
<b>Power</b>	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.	
<b>Connectors</b>	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	
<b>Storage</b>	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 <a href="http://axis.com">axis.com</a>	
<b>Operating conditions</b>	-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	
<b>Storage conditions</b>	-40 °C to 70 °C (-40 °F to 158 °F)	
<b>Approvals</b>	<b>EMC</b> 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 KN22 Class A, KN24 <b>Safety</b> IEC/EN/UL 60950-1, IEC/EN/UL 60950-22 IEC/EN/UL 60950-1, IEC/EN/UL 60950-22, IS 13252 <b>Environment</b> 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 <b>Network</b> NIST SP500-267	
<b>Dimensions</b>	344 x 146 mm (13 9/16 x 5 3/4 in)	
<b>Weight</b>	7/13/19/35 mm: 2000 g (4.4 lb) 60 mm: 2200 g (4.9 lb)	
<b>Included accessories</b>	Resistorx <sup>®</sup> L-key, wall and ceiling mount bracket terminal block connector Installation Guide, Windows <sup>®</sup> decoder 1-user license	
<b>Optional accessories</b>	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 <a href="http://axis.com">axis.com</a>	
<b>Video management software</b>	AXIS Companion, AXIS Camera Station, Video management software from Axis' Application Development Partners available at <a href="http://axis.com/vms">axis.com/vms</a>	
<b>Languages</b>	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese	
<b>Warranty</b>	Axis 3-year warranty and AXIS Extended Warranty option, see <a href="http://axis.com/warranty">axis.com/warranty</a>	
<b>Export control</b>	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](http://www.openssl.org)), and cryptographic software written by Eric Young ([ey@cryptsoft.com](mailto:ey@cryptsoft.com)).*

Environmental responsibility:  
[axis.com/environmental-responsibility](http://axis.com/environmental-responsibility)