

## 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

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|--|---|--|---|
| <b>Models</b>                            | AXIS Q1942-E 10 mm/19 mm/35 mm or 60 mm   | <b>Sustainability</b>  | PVC free  |
| <b>Camera</b>                            |   | <b>Memory</b>  | 512 MB RAM, 256 MB Flash  |
| <b>Image sensor</b>                      | Uncooled Micro bolometer 640x480, pixel size: 17 µm<br>Spectral range: 8-14 µm  | <b>Power</b>   | Power over Ethernet IEEE 802.3af/802.3at Type 1 Class 3<br>Typical 4.8 W, max 11.8 W<br>8-28 V DC: typical 6.6 W, max 13 W<br>20-24 V AC (50/60 Hz): typical 11 VA, max 19 VA<br>Power supply not included.   |
| <b>Lens</b>                              | 10 mm: Horizontal field of view: 63°, F1.25<br>19 mm: Horizontal field of view: 32°, F1.23<br>35 mm: Horizontal field of view: 17°, F1.20<br>60 mm: Horizontal field of view: 10°, F1.25  | <b>Connectors</b>  | RJ45 10BASE-T/100BASE-TX PoE<br>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)<br>AC/DC input   |
| <b>Sensitivity</b>                       | NETD < 50 mK  | <b>Storage</b>   | Support for microSD/microSDHC/microSDXC card<br>Support for recording to dedicated network-attached storage (NAS)<br>For SD card and NAS recommendations see <a href="http://www.axis.com">www.axis.com</a>   |
| <b>Video</b>                             |   | <b>Operating conditions</b>  | -40 °C to 60 °C (-40 °F to 140 °F)<br>Humidity 10-100% RH (condensing)  |
| <b>Video compression</b>                 | H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles<br>Motion JPEG  | <b>Storage conditions</b>  | -40 °C to 70 °C (-40 °F to 158 °F)  |
| <b>Resolutions</b>                       | Sensor is 640x480. Image can be scaled up to 800x600 (SVGA).  | <b>Approvals</b>   | EMC<br>EN 55022 Class A, EN 50121-4, IEC 62236-4, EN 55024,<br>EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class A,<br>ICES-003 Class A, VCCI Class A, RCM AS/NZS CISPR22 Class A<br>KCC KN32 Class A, KN35   |
| <b>Frame rate</b>                        | Up to 8.3 fps and 30 fps  | <b>Safety</b>  | IEC/EN/UL 60950-1, IEC/EN/UL 60950-22   |
| <b>Video streaming</b>                   | At least three H.264 and Motion JPEG streams, simultaneous and individually configured in max. resolution in full frame rate<br>Axis' Zipstream Technology in H.264<br>Controllable frame rate and bandwidth<br>VBR/MBR H.264   | <b>Environment</b>   | EN 50581, IEC 60529 IP66/IP67, NEMA 250 Type 4X,<br>IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-6 Class 4M4,<br>IEC 60068-2-27, IEC 60068-2-52, IEC 60721-3-4 Class 4K3   |
| <b>Image settings</b>                    | 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, Multiple palettes  | <b>Dimensions</b>  | 344 x 146 mm (13 9/16 x 5 3/4 in)   |
| <b>Audio</b>                             |   | <b>Weight</b>  | 10/19/35 mm: 2000 g (4.4 lb)<br>60 mm: 2200 g (4.9 lb)  |
| <b>Audio streaming</b>                   | Two-way, full duplex  | <b>Included accessories</b>  | Resistorx® L-key<br>Wall and ceiling mount bracket, AXIS Video Motion Detection 3, Terminal block connector<br>Installation Guide, Windows decoder 1-user license   |
| <b>Audio compression</b>                 | AAC-LC 8/16 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8 kHz<br>Configurable bit rate  | <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<br>AXIS T8415 Wireless Installation Tool<br>For more accessories, see <a href="http://www.axis.com">www.axis.com</a> |
| <b>Audio input/output</b>                | External microphone input or line input, Line output  | <b>Video management software</b>   | AXIS Camera Companion, AXIS Camera Station, Video management software from Axis' Application Development Partners available on <a href="http://www.axis.com/techsup/software">www.axis.com/techsup/software</a>   |
| <b>Network</b>                           |   | <b>Languages</b>   | English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese   |
| <b>Security</b>                          | Password protection, IP address filtering, HTTPS <sup>a</sup> encryption, IEEE 802.1X <sup>a</sup> network access control, Digest authentication, User access log, Centralized Certificate Management   | <b>Warranty</b>  | Axis 3-year warranty and AXIS Extended Warranty option, see <a href="http://www.axis.com/warranty">www.axis.com/warranty</a>  |
| <b>Supported protocols</b>               | IPv4/v6, HTTP, HTTPS <sup>a</sup> , SSL/TLS <sup>a</sup> , 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   | <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.   |
| <b>System integration</b>                |   | <p>a. This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. (<a href="http://www.openssl.org">www.openssl.org</a>), and cryptographic software written by Eric Young (<a href="mailto:ey@cryptsoft.com">ey@cryptsoft.com</a>).</p> |   |
| <b>Application Programming Interface</b> | Open API for software integration, including VAPIX® and AXIS Camera Application Platform; specifications at <a href="http://www.axis.com">www.axis.com</a><br>AXIS Video Hosting System (AVHS) with One-Click Connection ONVIF Profile S, specification at <a href="http://www.onvif.org">www.onvif.org</a> | <b>Environmental responsibility:</b><br><a href="http://www.axis.com/environmental-responsibility">www.axis.com/environmental-responsibility</a>   |   |
| <b>Analytics</b>                         | AXIS Video Motion Detection 3, Audio detection, Shock detection<br>Support for AXIS Camera Application Platform, see <a href="http://www.axis.com/acap">www.axis.com/acap</a>   |  |   |
| <b>Event triggers</b>                    | Analytics, Temperature, External input, Time scheduled, Edge storage events   |  |   |
| <b>Event actions</b>                     | File upload: FTP, SFTP, HTTP, HTTPS network share and email<br>Notification: email, HTTP, HTTPS and TCP and SNMP trap<br>External output activation<br>Video recording to edge storage<br>Pre- and post-alarm video buffering<br>Play audio clip, Overlay text  |  |   |
| <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<br>Metal casing (aluminum) with integrated dehumidifying membrane and a germanium window<br>Color: White NCS S 1002-B  |  |   |