

# AXIS Q2901-E Temperature Alarm Camera

For remote temperature monitoring

The outdoor-ready, bullet-style AXIS Q2901-E delivers thermal imaging in 336x256 resolution. AXIS Q2901-E supports up to six temperature alarm zones that can be used to trigger an alarm. It offers two kinds of alarms triggered by a deviation of the temperature: if the temperature goes beyond a set limit, or if it increases too rapidly. The spot temperature functionality is used to view the temperature of a particular area. Isothermal palettes highlight temperature-spans in the image, making it easier to visualize hot spots to identify overheated equipment or areas.

- > [Temperature alarm](#)
- > [Isothermal palettes](#)
- > [Spot temperature reading](#)
- > [High performance intelligent video](#)



# AXIS Q2901-E Temperature Alarm Camera

|  |  |                                  |  |
|--|--|----------------------------------|--|
| <b>Models</b>                            | AXIS Q2901-E 9 mm<br>AXIS Q2901-E 19 mm  | <b>Data streaming</b>            | Event data   |
| <b>Camera</b>                            |  |                                  |  |
| <b>Image sensor</b>                      | Uncooled Micro bolometer 336x256 pixels, Pixel size 17 µm, Spectral range: 8-14 µm   | <b>General</b>                   |  |
| <b>Lens</b>                              | <b>9 mm:</b> F 1.25, horizontal field of view: 35°, min. focus distance: 2.1 m (78.7 in)<br><b>19 mm:</b> F 1.25, horizontal field of view: 17° view, min. focus distance: 9.5 m (354.3 in)  | <b>Casing</b>                    | IP66-, IP67- and NEMA 4X-rated metal casing (aluminium) with integrated dehumidifying membrane and a germanium window<br>Color: White NCS S 1002-B. For repainting instructions and impact on warranty, contact your Axis partner  |
| <b>Detection range</b>                   | The size of a monitored object is recommended to cover at least 10x10 pixels in 336x256.   | <b>Memory</b>                    | 256 MB RAM, 128 MB Flash   |
| <b>Sensitivity</b>                       | NETD < 50 mK   | <b>Power</b>                     | Power over Ethernet IEEE 802.3af/802.3at Type 1 Class 3, max. 10 W, 8-20 V DC, max. 11 W or 20-24 V AC 50-60 Hz, max. 15 VA, Power supply not included   |
| <b>Thermography</b>                      |  |                                  |  |
| <b>Object temperature range</b>          | -40 °C to 550 °C (-40 °F to 1022 °F)   | <b>Connectors</b>                | RJ45 10BASE-T/100BASE-TX PoE, Terminal block for power<br>Eight circuit PCB header for two configurable inputs/outputs and audio   |
| <b>Temperature accuracy</b>              | Below 100 °C (212 °F): +/- 5 °C (+/-9 °F) accuracy<br>Below 150 °C (302 °F): +/- 5% accuracy<br>Above 150 °C (302 °F): +/- 20% accuracy  | <b>Storage</b>                   | SD card slot supporting microSD/microSDHC/microSDXC cards (card not included).<br>SD card encryption<br>Support for recording to 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>Video compression</b>                 | H.264 (MPEG-4 Part 10/AVC) Main and Baseline Profile<br>Motion JPEG  | <b>Operating conditions</b>      | -40 °C to 60 °C (-40 °F to 140 °F)<br>Humidity 10-100% RH (condensing)   |
| <b>Resolution</b>                        | Sensor is 336x256. Image can be scaled up to 720x576   | <b>Approvals</b>                 | <b>Emission and immunity</b><br>EN 55022 Class B, EN 50121-4, EN 55024,<br>EN 61000-3-2, EN 61000-3-3, EN 61000-6-1,<br>EN 61000-6-2, FCC part 15 Subpart B Class A,<br>FCC part 15 Subpart B Class B, ICES-003 Class B, VCCI Class B, ITE,<br>C-Tick AS/NZS CISPR22 Class B, KCC KN22 Class B, KN-24  |
| <b>Frame rate</b>                        | Up to 8.3 fps  | <b>Safety</b>                    | IEC/EN/UL 60950-1, IEC/EN/UL 60950-22, IS 13252  |
| <b>Video streaming</b>                   | 3 individual streams <sup>a</sup> in H.264 and Motion JPEG: simultaneous, individually configured streams in max. resolution at 8.3 fps<br>Controllable frame rate and bandwidth<br>VBR/MBR H.264  | <b>Environment:</b>              | EN 50581, IEC 60529 IP66, IEC 60529 IP67, NEMA 250 Type 4X,<br>IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-6, IEC 60068-2-14,<br>IEC 60068-2-27, IEC 60068-2-30, IEC 60068-2-78  |
| <b>Image settings</b>                    | Sharpness, Automatic gain control, Exposure zones, Gain, Rotation, Palette, Isothermal palette, Compression, Mirroring, Text and image overlay and Privacy masks<br>Axis Corridor Format   | <b>Network</b>                   | NIST SP500-267   |
| <b>Audio</b>                             |  |                                  |  |
| <b>Audio streaming</b>                   | Two-way  | <b>Weight</b>                    | 2 kg (4.4 lb)  |
| <b>Audio encoding</b>                    | AAC-LC 8/16 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8 kHz, Configurable bit rate   | <b>Included accessories</b>      | Installation Guide, Windows decoder 1-user license, AVHS Authentication key, AXIS Video Motion Detection 3, AXIS Connector A 2-pin 5.08 Straight<br>Allen key, RJ45 network cable 5 m (16 ft), Wall and Ceiling Mount Bracket  |
| <b>Audio input/output</b>                | External microphone or line input, line output   | <b>Optional accessories</b>      | AXIS T8120/T8123-E midspans, Network cable couplers, AXIS T8129 PoE Extender, AXIS T8604 Media Converter, AXIS T8640 Ethernet over Coax Adapter PoE+, AXIS PS24 Mains Adapter, AXIS T8006 PS12 Power Supply, AXIS T8414 Installation Display<br>AXIS T94G01P Conduit Back Box, AXIS T91A47 Pole Mount, AXIS T94P01B Corner Bracket, AXIS T98A17-VE Video Surveillance Cabinet, AXIS Multicable A I/O Audio Power |
| <b>Network</b>                           |  |                                  |  |
| <b>Security</b>                          | Password protection, IP address filtering, HTTPS <sup>b</sup> encryption, IEEE 802.1X <sup>b</sup> network access control, Digest authentication, User access log, Centralized certificate management  | <b>Video management software</b> | AXIS Companion, AXIS Camera Station, Video management software from Axis' Application Development Partners available on <a href="http://www.axis.com/support/downloads">www.axis.com/support/downloads</a>   |
| <b>Supported protocols</b>               | IPv4, IPv6 USGv6, HTTP, HTTPS <sup>b</sup> , SSL/TLS <sup>b</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, TCP, UDP, IGMPv1/v2/v3, RTCP, ICMP, DHCP, ARP, SOCKS, SSH  | <b>Languages</b>                 | English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese  |
| <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://www.axis.com">www.axis.com</a><br>One-click cloud connection<br>ONVIF Profile S and ONVIF Profile G, specification at <a href="http://www.onvif.org">www.onvif.org</a> | <b>Warranty</b>                  | 5-year warranty, see <a href="http://axis.com/warranty">axis.com/warranty</a>  |
| <b>Analytics</b>                         | AXIS Video Motion Detection 4, active tampering alarm<br>Support for AXIS Camera Application Platform enabling installation of third-party applications, see <a href="http://www.axis.com/acap">www.axis.com/acap</a>  | <b>Export control</b>            | The product contains U.S.-origin controlled technology/component, the US Export Administration Regulations (EAR) are always applicable to the product. You should comply at all times with all applicable national and international (re-)export control regulations.  |
| <b>Event triggers</b>                    | Analytics, Temperature detection (6 alarm zones), Hardware temperature, Edge storage events, Shock detection, Time scheduled, Motion Detection, Live Stream Accessed<br>Audio Detection  |                                  |  |
| <b>Event actions</b>                     | File upload: FTP, SFTP, HTTP, HTTPS network share and email<br>Notification: email, HTTP, HTTPS and TCP<br>Status LED, Text overlay, SNMP, Pre- and post-alarm video buffering, Video recording to edge storage, Network share   |                                  |  |
| <b>Built-in installation aids</b>        | Pixel counter  |                                  |  |

- a. Individual palette cannot be set per video stream  
b. 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:

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