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**

### Models
- AXIS Q2901-E 9 mm
- AXIS Q2901-E 19 mm

### Camera
- **Image sensor:** Uncooled Micro bolometer 336x256 pixels, Pixel size 17 μm, Spectral range: B: 14 μm
- **Lens:**
  - 9 mm: F 1.25, horizontal field of view: 35°, min. focus distance: 2.1 m (78.7 in)
  - 19 mm: F 1.25, horizontal field of view: 17°, min. focus distance: 9.5 m (345.3 in)
- **Detection range:** The size of a monitored object is recommended to cover at least 10x10 pixels in 336x256.
- **Sensitivity:** NETD < 50 mK

### Thermography
- **Object temperature range:** -40 °C to 550 °C ([-40 °F to 1022 °F])
- **Temperature accuracy:**
  - Below 100 °C (212 °F): +/- 5 °C (10°F) accuracy
  - Between 100 °C (212 °F) and 302 °F: +/- 5% accuracy
  - Above 150 °C (302 °F): +/- 20% accuracy

### Video
- **Video compression:** H.264 (MEPG-4 Part 10/AVC) Main and Baseline Profile, Motion JPEG
- **Resolution:** Sensor is 336x256. Image can be scaled up to 720x576
- **Frame rate:** Up to 8.3 fps
- **Video streaming:** 3 individual streams2 in H.264 and Motion JPEG: simultaneous, individually configured streams in max. resolution at 8.3 fps Controllable frame rate and bandwidth
- **Video rate:** VBR/MBR Rotation, Above, Below
- **Audio settings:** Sharpness, Automatic gain control, Exposure zones, Gain, Rotation, Palette, Isothermal palette, Compression, Mirroring, Text and image overlay and Privacy masks

### Audio
- **Audio streaming:** Two-way
- **Audio compression:** AAC-LC (8/16 kHz), G.711 PCMU, G.726 ADPCM 8 kHz, Configurable bit rate
- **Audio input/output:** External microphone or line input, line output

### Network
- **Security:** Password protection, IP address filtering, HTTPS encryption, IEEE 802.1X network access control, Digest authentication, User access log, Centralized certificate management
- **Supported protocols:** IPv4/6, HTTP, HTTPS, SSL/TLS, QoS Layer 3 DiffServ, FTP, CIFS/SMB, SMTP, Bonjour, UPnP, SNMP v1/v2c/v3(MIB-II), DNS, DynDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, RTCP, ICMP, DHCP, ARP, SOCKS, SSH

### System integration
- **Application Programming Interface:** Open API for software integration, including VAPIX® and AXIS Camera Application Platform; specifications at www.axis.com
- **Analytics:** AXIS Video Motion Detection 4, active tampering alarm, Support for AXIS Camera Application Platform enabling installation of third-party applications, see www.axis.com/acap
- **Event triggers:** Analytics, Temperature detection (6 alarm zones), Hardware temperature, Edge storage events, Shock detection, Time scheduled, Motion Detection, Live Stream Accessed Audio Detection
- **Event actions:** File upload, FTP, SFTP, HTTP, HTTPS network share and email Notification: email, HTTP and TCP Status LED, Text overlay, SNMP, Pre- and post-alarm video buffering, Video recording to edge storage, Network share

### Built-in installation aids
- Pixel counter

### Data streaming
- Event data

### Casing
- **Casing:** IP66-, IP67- and NEMA 4X-rated metal casing (aluminum) with integrated dehumidifying membrane and a germanium window
- **Color:** White NCS S 1002-B. For re-painting instructions and impact on warranty, consult your Axis partner

### Memory
- **Size:** 256 MB RAM, 128 MB Flash

### Power
- **Power:** 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

### Connectors
- **Connectors:** RJ45 10BASE-T/100BASE-TX PoE, Terminal block for power Eight circuit PCB header for two configurable inputs/outputs and audio

### Storage
- **SD card slot:** Supports microSD/microSDHC/microSDXC cards (card not included)
- **Security:** Support for recording to network-attached storage (NAS). For SD card and NAS recommendations, see www.axis.com

### Operating conditions
- **Temperature:** -40 °C to 60 °C ([-40 °F to 140 °F])
- **Humidity:** 10-100% RH (condensing)

### Approvals
- **Emission and immunity:** EEC 55022 Class B, EN 55024-1, EN 61000-3-2, EN 61000-3-3, EN 61000-6-1, EN 61000-6-2, FCC part 15 Subpart B Class A, FCC part 15 Subpart B Class B, ICES-003 Class B, VCCI Class B, ITE, C-Tick AS/NZS CISPR22 Class B, FCC KN22 Class B, KN-24
- **Safety:** IEC/EN/UL 60950-1, IEC/EN/UL 60950-2-2, IS 123252
- **Environmental:** EN 50581, IEC 60529 IP66, IEC 60529 IP67, NEMA 250 Type 4X, IEC 60668-2-1, IEC 60668-2-2, IEC 60668-2-6, IEC 60668-2-27, IEC 60668-2-30, IEC 60668-2-78

### Weight
- **Weight:** 2 kg (4.4 lb)

### Included accessories
- **Included accessories:** Installation Guide, Windows decoder 1-user license, AVHS Authentication key, AXIS Video Motion Detection 3, AXIS Connector A 2-pin 5.08 Straight, Alien key, RJ45 network cable 5 m (16 ft), Wall and Ceiling Mount Bracket

### Optional accessories
- **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 T8906 PS12 Power Supply, AXIS T8414 Installation Display, AXIS T8940IP Conduit Back Box, AXIS T91A47 Pole Mount, AXIS T8901B Corner Bracket, AXIS T89A17-VE Video Surveillance Cabinet, AXIS Multicable A 1/0 Audio Power

### Video management software
- **Video management software:** AXIS Companion, AXIS Camera Station, Video management software from Axis Application Development Partners available on www.axis.com/support/downloads

### Languages
- **Languages:** English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese

### Warranty
- **Warranty:** 3-year warranty and AXIS Extended Warranty option, see www.axis.com/warranty

### Export control
- **Export control:** The product contains U.S-origin controlled technology/component, the U.S 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.

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), and cryptographic software written by Eric Young (eay@cryptsoft.com).

e. Environmental responsibility: axis.com/environmental-responsibility