

# 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 AXIS Q2901-E 19 mm	<b>Built-in installation aids</b>	Pixel counter
<b>Camera</b>		<b>Data streaming</b>	Event data
<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) <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 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>Connectors</b>	RJ45 10BASE-T/100BASE-TX PoE, Terminal block for power Eight circuit PCB header for two configurable inputs/outputs and audio
<b>Object temperature range</b>	-40 °C to 550 °C (-40 °F to 1022 °F)	<b>Storage</b>	SD card slot supporting microSD/microSDHC/microSDXC cards (card not included). SD card encryption Support for recording to network-attached storage (NAS). For SD card and NAS recommendations, see <a href="http://www.axis.com">www.axis.com</a>
<b>Temperature accuracy</b>	Below 100 °C (212 °F): +/- 5 °C (+/- 9 °F) accuracy Below 150 °C (302 °F): +/- 5% accuracy Above 150 °C (302 °F): +/- 20% accuracy	<b>Operating conditions</b>	-40 °C to 60 °C (-40 °F to 140 °F) Humidity 10-100% RH (condensing)
<b>Video</b>		<b>Approvals</b>	<b>Emission and immunity:</b> EN 55022 Class B, EN 50121-4, EN 55024, 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, KCC KN22 Class B, KN-24 <b>Safety:</b> IEC/EN/UL 60950-1, IEC/EN/UL 60950-22, IS 13252 <b>Environment:</b> EN 50581, IEC 60529 IP66, IEC 60529 IP67, NEMA 250 Type 4X, IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-6, IEC 60068-2-14, IEC 60068-2-27, IEC 60068-2-30, IEC 60068-2-78
<b>Video compression</b>	H.264 (MPEG-4 Part 10/AVC) Main and Baseline Profile Motion JPEG	<b>Weight</b>	2 kg (4.4 lb)
<b>Resolution</b>	Sensor is 336x256. Image can be scaled up to 720x576	<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 Allen key, RJ45 network cable 5 m (16 ft), Wall and Ceiling Mount Bracket
<b>Frame rate</b>	Up to 8.3 fps	<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 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>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 Controllable frame rate and bandwidth VBR/MBR H.264	<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>Image settings</b>	Sharpness, Automatic gain control, Exposure zones, Gain, Rotation, Palette, Isothermal palette, Compression, Mirroring, Text and image overlay and Privacy masks Axis Corridor Format	<b>Languages</b>	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese
<b>Audio</b>		<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>Audio streaming</b>	Two-way	<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>Audio compression</b>	AAC-LC 8/16 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8 kHz, Configurable bit rate		
<b>Audio input/output</b>	External microphone or line input, line output		
<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>Supported protocols</b>	IPv4/v6, 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, IGMP, RTCP, ICMP, DHCP, ARP, SOCKS, SSH		
<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> AXIS Video Hosting System (AVHS) with One-Click Connection ONVIF Profile S and ONVIF Profile G, specification at <a href="http://www.onvif.org">www.onvif.org</a>		
<b>Analytics</b>	AXIS Video Motion Detection 4, active tampering alarm 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>Event triggers</b>	Analytics, Temperature detection (6 alarm zones), Hardware temperature, Edge storage events, Shock detection, Time scheduled, Motion Detection, Live Stream Accessed Audio Detection		
<b>Event actions</b>	File upload: FTP, SFTP, HTTP, HTTPS network share and email Notification: email, HTTP, HTTPS and TCP Status LED, Text overlay, SNMP, Pre- and post-alarm video buffering, Video recording to edge storage, Network share		

- 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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