AXIS Q2901-E Temperature Alarm Camera

For remote temperature monitoring

- > Temperature alarm
- > Isothermal palettes
- > Spot temperature reading
- > High performance intelligent video
- > Bullet style, outdoor ready

Axis temperature alarm cameras can be used where there is a need for temperature monitoring, such as power generating facilities, fire hazard areas or industrial processes involving self-igniting materials. They can be installed on a wall or ceiling.

The outdoor-ready and bullet-style AXIS Q2901-E Temperature Alarm Camera delivers thermal imaging in 336x256 resolution.

The camera supports up to six temperature alarm zones that can be used to trigger an alarm. It is based on temperature changes: either above or below a pre-set threshold, or temperature increase rate. The camera also offers spot temperature functionality for instant scene spot measurement, and isothermal palettes make it easier to visualize hot spots to identify, i.e. overheated equipment. Isothermal palettes highlights, unlike traditional color palettes, temperature-spans in the image.

It is available with two available lens alternatives allowing for remote monitoring of critical temperatures at both shorter and longer distances. Installation is made easy and cost effective by using Power over Ethernet (IEEE 802.3af). A built-in window heater is designed to withstand harsh weather conditions.

Technical Specifications - AXIS Q2901-E Temperature Alarm Camera

Models	AXIS Q2901-E
Camera	
Image sensor	Uncooled Micro bolometer 336x256 pixels, Pixel size 17 µm, Spectral range: 8-14 µm
Lens	**9 mm:** F 1.25, 35° view[a], min. focus distance: 2.1 m (78.7 in) **19 mm:** F 1.25, 17° view[a], min. focus distance: 9.5 m (354.3 in)
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 (+/-9 °F) accuracy Below 150 °C (302 °F): +/- 5% accuracy Above 150 °C (302 °F): +/- 20% accuracy
Video	
Video compression	H.264 (MPEG-4 Part 10/AVC) Main and Baseline Profile, Motion JPEG
Resolutions	Sensor is 336x256. Image can be scaled up to 720x576
Frame rate	Up to 8.3 fps
Video streaming	3 individual streams[b] in H.264 and Motion JPEG: simultaneous, individually configured streams in max. resolution at 8.3 fps. Controllable frame rate and bandwidth. VBR/CBR H.264
Image settings	Sharpness, Automatic gain control, Exposure zones, Gain, Rotation, Palette, Isothermal palette, Compression, Mirroring, Text and image overlay, Axis' Corridor Format
Audio	
Audio streaming	Two-way
Audio compression	AAC-LC 8/16 kHz, G.711 PCM 8 kHz, 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[c] encryption, IEEE 802.1X[c] network access control, Digest authentication, User access log, Centralized certificate management
Supported protocols	IPv4/v6, HTTP, HTTPS[c], SSL/TLS[c], 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* AXIS Video Hosting System (AVHS) with One-click Connection
Intelligent video	Video motion detection, Active tampering alarm, Audio detection, Support for AXIS Camera Application Platform enabling Installation of AXIS Video Motion Detection 3, AXIS Cross Line Detection, AXIS Digital Autotracking and third-party applications, see *www.axis.com/acap*
Event triggers	Intelligent video, Audio, Temperature detection, Hardware temperature and external input, Edge storage events, Shock detection, Time scheduled
Event actions	File upload: FTP, HTTP, network share and email Notification: email, HTTP and TCP Status LED, Text overlay, Audio clips, SNMP, External output activation, Pre- and post-alarm video buffering, Video and audio recording to edge storage, Network share
Data streaming	Event data
General	
Casing	IP66- and IP67-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
Memory	256 MB RAM, 128 MB Flash
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, max. 15 VA, Power supply not included
Connectors	RJ45 10BASE-T/100BASE-TX PoE, Terminal block for power Eight circuit PCB header for two configurable inputs/outputs and audio
Edge storage	microSD/microSDHC/microSDXC slot supporting memory card up to 64 GB (card not included) Support for recording to dedicated network-attached storage (NAS)
Operating conditions	-40 °C to 60 °C (-40 °F to 140 °F) Humidity 10–100% RH (condensing)
Approvals	*Emission and immunity*: 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 B, FCC part 15 Subpart B Class A, ICES-003 Class B, VCCI Class B, ITE, C-Tick AS/NZS CISPR22 Class B, KCC KN22 Class B, KN-24 *Safety*: IEC/EN/UL 60950-1, IEC/EN/UL 60950-22 *Environment*: 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
Weight	2 kg (4.4 lb)
Included accessories	Installation Guide, Installation and Management Software CD, Windows decoder 1-user license, AXIS Video Motion Detection 3.0, Torx T20 screw driver, RJ45 network cable 5 m (16 ft), Wall and ceiling mount bracket, Pipe converter for US
Optional accessories	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, 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
Video management software	AXIS Camera Companion (included), AXIS Camera Station and video management software from Axis' Application Development Partners (not included). For more information, see *www.axis.com/products/video/software*
Warranty	Axis 3-year warranty and AXIS Extended Warranty option, see *www.axis.com/warranty*

a. *Horizontal angle of view*
b. *Individual palette cannot be set per video stream*
c. *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).*

More information is available at www.axis.com

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