AXIS Q2901-E PT Mount Temperature Alarm Camera
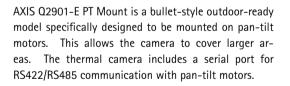## For remote temperature monitoring

> Temperature alarm

> Isothermal palettes

> Spot temperature reading

> High performance intelligent video

> PT mount-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.

AXIS Q2901-E PT Mount is a bullet-style outdoor-ready model specifically designed to be mounted on pan-tilt motors. This allows the camera to cover larger areas. The thermal camera includes a serial port for RS422/RS485 communication with pan-tilt motors.

The temperature alarm camera delivers thermal imaging in 336x256 resolution. Moreover it 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.

Available with two lenses 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).

Technical Specifications - AXIS Q2901–E PT Mount

Models	AXIS Q2901–E PT Mount

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
Pan/Tilt/Zoom	Preset positions, Guard tour, Driver selection, Control queue
Image settings	Sharpness, Automatic gain control, Exposure zones, Gain, Rotation, Palette, Isothermal palette, Compression, Mirroring, Text and image overlay and Privacy masks

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
Analytics	Video motion detection, Active tampering alarm, Support for AXIS Camera Application Platform enabling installation of AXIS Video Motion Detection 3.0, AXIS Cross Line Detection, AXIS Digital Autotracking and third-party applications, see www.axis.com/acap
Event triggers	Intelligent video, Temperature detection, Hardware temperature, 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, SNMP, Pre- and post-alarm video buffering, Video recording to edge storage, Network share, PTZ preset, Guard tour
Built-in installation aids	Pixel counter

Data streaming	Event data

General

Casing	IP66- 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
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 Hz, max. 15 VA, Power supply not included
Connectors	RJ45 10BASE-T/100BASE-TX PoE, Terminal block for power RS485/RS422 for Pan/Tilt control
Edge storage	SD card slot supporting microSD/microSDHC/microSDXC cards (card not included). Support for recording to dedicated network-attached storage (NAS). For SD card and NAS recommendations, see www.axis.com
Operating conditions	–40 °C to 60 °C (–40 °F to 140 °F) Humidity 10–100% RH (condensing)
Approvals	*Emission and immunity*: EN 55022 Class A, 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, ICES-003 Class A, VCCI Class A, ITE, C-Tick AS/NZS CISPR22 Class A, KCC KN22 Class A, KN-24 *Safety*: IEC/EN/UL 60950-1, IEC/EN/UL 60950-22 *Environment*: EN 50581, IEC 60529 IP66, 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	1.8 kg (4.0 lb)
Included accessories	Installation Guide, Installation and Management Software CD, Windows decoder 1-user license, AVHS Authentication key, AXIS Video Motion Detection 3.0, Torx T20 screw driver, PT mount bracket, AXIS Connector A 2-pin 5.08 Straight
Optional accessories	YP3040 Pan-Tilt Motor and wall bracket, AXIS T91A04/T91A05 Camera Holders, AXIS T91A50 Telescopic Ceiling Mount (requires AXIS T91A05 Camera Holder), VT Ceiling bracket ball joint WCM5A, VT Wall bracket ball joint WBJA, VT Column mount ball joint WFMCA, AXIS T91A21 Stand, 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

AXIS
COMMUNICATIONS