

# 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:

[axis.com/environmental-responsibility](http://axis.com/environmental-responsibility)

# AXIS S1116 MT

## Out-of-the box ready workstation for high-definition surveillance

AXIS Camera Station S1116 Recorder is an out-of-the-box ready workstation validated for reliable high-definition surveillance up to 4K. For quick and easy installation, AXIS S1116 is preconfigured and preloaded with AXIS Camera Station video management software including licenses for 16 channels plus all necessary system software. The system configuration can easily be imported from AXIS Site Designer, and AXIS Camera Station lets users take full advantage of Axis wide range of video surveillance devices. With enterprise-grade hard disks, operating system stored on solid-state drive (SSD), and expandable storage capacity, AXIS S1116 provides high-performance and reliability for your system.

- > **Ease of installation**
- > **AXIS Camera Station licenses included**
- > **Full compatibility with Axis products**
- > **3-year hardware warranty with on-site replacement service**



## AXIS S1116 MT

<b>Licenses</b>	16 AXIS Camera Station core licenses included, can be upgraded up to 32 licenses (sold separately)	1x Universal audio jack 1x Audio line out 1x Serial port
<b>Processor</b>	Intel® Core i5-8400	
<b>Memory</b>	8 GB	
<b>Storage</b>	8 TB (1x8 TB) Enterprise Class HDD, 7200 rpm Additional storage 8 TB (1 free bay)	
<b>Operating system</b>	Microsoft® Windows® 10 Enterprise Operating system recovery: yes Operating system drive: 128 GB SSD	
<b>Video streaming</b>	Live view: Up to 25 camera split views or 1 x 4K camera view Playback: 4 x 1080p camera split views or 1 x 4K camera view Supports two monitors.	
<b>Recording</b>	Qualified for recording up to 32 video channels with a total recording rate up to 256 Mbit per second.	
<b>Graphic card</b>	Intel® HD Graphics 630	
<b>Power</b>	360 W (100 - 240 V AC, 50/60 Hz, 5.0 - 2.5 A)	
<b>Connectors</b>	5x USB 3.1 1x USB 3.1 Type-C 4x USB 2.0 2x DisplayPort™ 1.2 1x Ethernet (RJ45) 1 GbE	
		<b>Operating conditions</b> 0 °C to 45 °C (32 °F to 113 °F)
		<b>Storage conditions</b> -40 °C to 65 °C (-40 °F to 149 °F)
		<b>Approvals</b> IEC/EN/UL 60950-1 FCC Part 15 Subpart B Class B, ICES-003 Class B, VCCI Class B, RCM AS/NZS CISPR 32 Class B, KC KN32 Class B, KN35, EN 55032, EN 55024, EN/IEC 61000-3-2, EN/IEC 61000-3-3, EN 50564, EN 62623, EAC, BSMI, NOM
		<b>Dimensions</b> 274 x 154 x 350 mm (13.8 x 6.1 x 10.8 in)
		<b>Weight</b> 7.4 kg (16 lb)
		<b>Included accessories</b> Power cord, keyboard, mouse
		<b>Optional accessories</b> Axis joysticks and control boards For more accessories, see <a href="http://axis.com">axis.com</a>
		<b>Warranty</b> Axis 3-year warranty and AXIS Extended Warranty option, see <a href="http://axis.com/warranty">axis.com/warranty</a>

Environmental responsibility:

[axis.com/environmental-responsibility](http://axis.com/environmental-responsibility)



## HTC Embedded (Human Temperature Control)

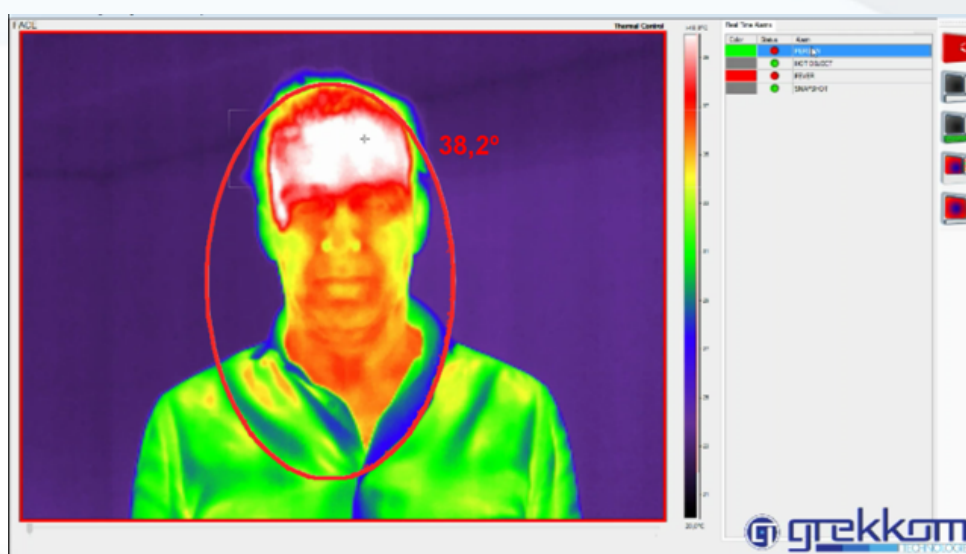
HTC has been specifically developed to detect automatically and on real-time humans with high temperature

### Detects

- Humans with high temperature or in a given fixed temperature range

### Scenarios

- Airports
- Cruises
- Border Control
- Hospitals
- Schools
- Government Buildings
- Offices Buildings
- Industrial Facilities



### Competitive advantages

- **High Accuracy 98,4% \*** % obtained after comparing results of hundreds of individuals manual temperature reading Vs thermal camera automatic temperature reading. Test were executed on simulated different atmospheric conditions (heat, AC, outdoors)
- **Critical real-time reporting** Real-time reporting of temperature reading for rapid commissioning and management.
- **AXIS ACAP compatible** (Edge based solution)
- Detects and **triggers an alarm** per every individual exceeding the fixed temperature
- Available on **fixed or Portable set-ups**
- **Automatic activation/block access control protocols**
- **Heat emission and distance configuration** available by mask configurator
- **Temperature Color palette editor.** Allows you to adjust temperature colors to target temperatures
- **Image adjustments** by enhance or lineal temperature
- Intuitive **mask design editor**
- **Image or video capture** responding to alarms
- Friendly & fast configuration



## Technical Details & Recommendations

HTC Embedded is compatible and runs on the edge with **AXIS Q2901-e**.

Recommended lenses: **9mm & 19mm**

Recommended Detection Distance: **1-3 mts from the camera**

Recommended Camera Height: **1.7-1.9 mts**

For **High accuracy** is recommended to read **one person at a time**

Equipment required: PC or Laptop with **internet access**

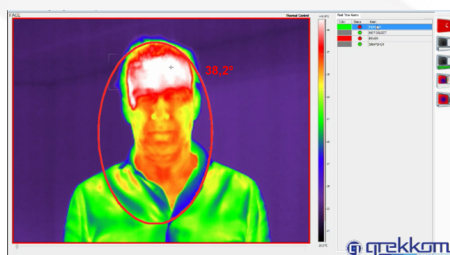
## Complementary Tools

**Domotion.** Automatic management & positioning of dome/s camera/s for video verifying. Includes algorithms to automatically position the camera with better view and capable to establish priorities among domes to follow the target with one or several cameras simultaneously.

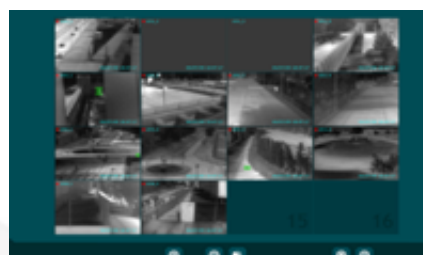
**Ngaro VMS** allows the operator to monitor and manage the information provided by our Analytics



Alarms status and operative verification module compatible with Ngaro® systems



Application for simultaneous display of thermal and CCTV video streams with OSD overlay of alarms



## Compatible Cameras



## Compatible VMS

