

XF60-Q2901 Explosion-Protected Temperature Alarm Camera

Temperature detection in hazardous areas

XF60-Q2901 Explosion-Protected Temperature Alarm Camera is suitable for onshore, offshore, marine and heavy industrial environments. The stainless steel housing is certified for areas that are hazardous according to UL, and it prevents any inside sparks or explosions from escaping and igniting vapors, gases, dust or fibers in the surrounding air. The camera supports temperature alarm zones triggering alarms based on deviation of the temperature. It tells the temperature of a particular area. Easy visualization of hot spots with isothermal palettes to identify overheated equipment or areas. The network camera offers a high level of integration with other equipment, such as access control and fire alarms.

- > [Stainless steel \(SAE 316L\) housing](#)
- > [336x256 thermal resolution](#)
- > [Temperature alarm and isothermal palettes](#)
- > [Spot temperature reading](#)
- > [Wide temperature range](#)



XF60-Q2901 Explosion-Protected Temperature Alarm Camera

Models	XF60-Q2901 -50 C 110 V UL	Data streaming	Event data
Certification part code	OXALIS-UL2410-TI-50 Supplied in UL2410 series explosion-protected housing.	Built-in installation aids	Pixel counter
Camera			
Image sensor	Uncooled Micro bolometer 336x256 pixels, Pixel size 17 µm Spectral range: 8–14 µm	General	
Lens	Athermalized 19 mm, F1.25 Horizontal field of view: 17° Min. focus distance: 9.5 m (354.3 in)	Casing	IP66- and IP67- rated, electropolished SAE 316L stainless steel casing for maximum corrosion protection Germanium protective window
Detection range	The size of a monitored object is recommended to cover at least 10x10 pixels in 336x256.	Memory	256 MB RAM, 128 MB Flash
Sensitivity	NETD < 50 mK	Power	Max consumption, 110 V AC: 33 W
Thermography			
Object temperature range	-40 °C to 550 °C (-40 °F to 1022 °F)	Connectors	Three 3/4" NPT conduit entries
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	Storage	Support for microSD/microSDHC/microSDXC card Support for recording to network-attached storage (NAS) For SD card and NAS recommendations see axis.com
Video			
Video compression	H.264 (MPEG-4 Part 10/AVC) Baseline, and Main profiles Motion JPEG	Operating conditions	-50 °C to 70 °C (-58 °F to 158 °F) Humidity 10–100% RH (condensing)
Resolution	Sensor is 336x256. Image can be scaled up to 720x576.	Storage conditions	-40 °C to 65 °C (-40 °F to 149 °F)
Frame rate	Up to 8.3 fps	Approvals	EMC EN 55022 Class A, EN 55024, EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class A, ICES-3(A)/NMB-3(A), RCM AS/NZS CISPR 22 Class A Safety EN/UL/CSA 60065 Environment IEC/EN 60529 IP66, IP67 Explosion UL 1203 CAN/CSA C22.2 No. 25, CSA C22.2 No. 30 M
Video streaming	3 individual streams ^a 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	Certifications	UL: Class I Division 1 Groups B, C, D, T4, Class II Division 1 Groups E, F, G, Class III Division 1 -50°C ≤ Ta ≤ +70°C
Image settings	Sharpness, automatic gain control, exposure zones, max gain, rotation, palette, isothermal palette, compression, mirroring, text and image overlay, privacy masks	Dimensions	165 x 176 x 720 mm (6 1/2 x 6 15/16 x 28 3/8 in)
Network			
Security	Password protection, IP address filtering, HTTPS ^b encryption, Digest authentication, User access log, Centralized Certificate Management	Weight	21 kg (46 lb)
Supported protocols	IPv4/v6, HTTP, HTTPS ^b , SSL/TLS ^b , 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	Included accessories	Sunshield, installation guide, Windows decoder 1-user license, AXIS Surveillance microSDXC™ Card 64 GB
System integration			
Application Programming Interface	Open API for software integration, including VAPIX [®] and AXIS Camera Application Platform; specifications at axis.com AXIS Guardian with One-Click Connection ONVIF [®] Profile S and ONVIF [®] Profile G, specification at onvif.org	Optional accessories	Wall and pole stainless steel mounts For more accessories, see axis.com
Analytics	AXIS Video Motion Detection, Shock detection Support for AXIS Camera Application Platform, see axis.com/acap	Video management software	AXIS Companion, AXIS Camera Station, Video management software from Axis' Application Development Partners available on axis.com/techsup/software
Event triggers	Analytics, Temperature detection (6 alarm zones), Hardware temperature, Edge storage events, Time scheduled, Motion detection	Languages	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese
Event actions	Overlay text, video recording to edge storage, pre- and post-alarm video buffering, send SNMP trap File upload via FTP, SFTP, HTTP, HTTPS, network share and email Notification via email, HTTP, HTTPS and TCP	Warranty	Axis 3-year warranty, see axis.com/warranty
		Export control	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.

- 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](#)).

Environmental responsibility:

[axis.com/environmental-responsibility](#)