

# XP40-Q1942 Explosion-Protected PT Thermal Network Camera

Thermal camera for hazardous areas

XP40-Q1942 Explosion-Protected PT Thermal Network Camera is suitable for onshore, offshore, marine and heavy industrial environments. It features a 316L stainless steel housing certified for hazardous areas according to for example ATEX, IECEx and UL. The housing prevents any inside sparks or explosions from escaping and igniting gases or dust in the surrounding air. The thermal camera accurately detects, promptly verifies, and then acts upon events of all kinds in conditions, ranging from pitch darkness to glaring sunlight. The network camera offers a high level of integration with other equipment, such as access control and fire alarms.

- > **Stainless steel (SAE 316L) housing**
- > **VGA thermal resolution**
- > **Reliable detection and fast verification**
- > **Continuous 360° pan, ±90° tilt**
- > **Wide temperature range**



# XP40-Q1942 Explosion-Protected PT Thermal Network Camera

<b>Models</b>	XP40-Q1942 XP40-Q1942 -60 C XP40-Q1942 -50 C UL XP40-Q1942 -50 C 110 V UL All models are available in different versions depending on the regional requirements for hazardous equipment certification.	XP40-Q1942 -50 C 110 V UL: Max consumption, 110 V AC: 114 W
<b>Certification part code</b>	XP40-Q1942/XP40-Q1942 -60 C: 1410-10-TI-50/2420-01 Supplied in 1410 series explosion-protected housing with 2420 series pan-tilt motor. XP40-Q1942 -50 C UL/XP40-Q1942 -50 C 110 V UL: OXALIS-UL1410-10-TI-50/2420-01 Supplied in UL1410 series explosion-protected housing with UL2420 series pan-tilt motor.	
<b>Camera</b>		
<b>Image sensor</b>	Uncooled Micro bolometer 640x480, pixel size: 17 µm Spectral range: 8-14 µm	
<b>Lens</b>	Athermalized 19 mm, F1.23 Horizontal field of view: 32°	
<b>Sensitivity</b>	NETD < 50 mK	
<b>Pan/Tilt</b>	Pan: 360° endless, 0.1-45°/s Tilt: ±90°, 0.1-24°/s 64 preset positions, preset accuracy +/-0.1°, Guard Tour, Control queue	
<b>Video</b>		
<b>Video compression</b>	H.264 (MPEG-4 Part 10/AVC) Baseline, and Main profiles Motion JPEG	
<b>Resolution</b>	Sensor is 640x480. Image can be scaled up to 800x600 (SVGA).	
<b>Frame rate</b>	Up to 8.3 fps	
<b>Video streaming</b>	At least three H.264 and Motion JPEG streams, simultaneous and individually configured in max. resolution in full frame rate Axis Zipstream technology in H.264 Controllable frame rate and bandwidth VBR/CBR H.264	
<b>Image settings</b>	Compression, mirroring of images, rotation, multiple palettes, brightness, sharpness, contrast, electronic image stabilization, automatic gain control, exposure zone, max gain, text and image overlay, privacy mask	
<b>Network</b>		
<b>Security</b>	Password protection, IP address filtering, HTTPS <sup>3</sup> encryption, Digest authentication, User access log, Centralized Certificate Management	
<b>Supported protocols</b>	IPv4/IPv6, HTTP, HTTPS <sup>3</sup> , SSL/TLS <sup>3</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://axis.com">axis.com</a> AXIS Guardian with One-Click Connection ONVIF <sup>®</sup> Profile S and ONVIF <sup>®</sup> Profile G, specification at <a href="http://onvif.org">onvif.org</a>	
<b>Analytics</b>	AXIS Video Motion Detection, Shock detection Support for AXIS Camera Application Platform, see <a href="http://axis.com/acap">axis.com/acap</a>	
<b>Event triggers</b>	Analytics, Temperature, Time scheduled, Edge storage events	
<b>Event actions</b>	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	
<b>Data streaming</b>	Event data	
<b>Built-in installation aids</b>	Pixel counter	
<b>General</b>		
<b>Casing</b>	IP66- and IP67- rated, electropolished SAE 316L stainless steel casing for maximum corrosion protection Germanium protective window	
<b>Memory</b>	512 MB RAM, 256 MB Flash	
<b>Power</b>	XP40-Q1942/XP40-Q1942 -60 C/XP40-Q1942 -50 C UL: Max consumption, 24 V AC: 100 W	
<b>Connectors</b>	XP40-Q1942 models: One M25 cable entry for cable conduits XP40-Q1942 UL models: Two 3/4" NPT conduit entries	
<b>Storage</b>	Support for microSD/microSDHC/microSDXC card Support for recording to network-attached storage (NAS) For SD card and NAS recommendations see <a href="http://axis.com">axis.com</a>	
<b>Operating conditions</b>	Temperatures depend on the certifications. See Certifications section: XP40-Q1942: -40 °C to 70 °C (-40 °F to 158 °F) XP40-Q1942 -60 C: -60 °C to 40 °C (-76 °F to 104 °F) XP40-Q1942 -50 C UL: -50 °C to 70 °C (-58 °F to 158 °F) XP40-Q1942 -50 C 110 V UL: -50 °C to 70 °C (-58 °F to 158 °F) Humidity 10-100% RH (condensing)	
<b>Storage conditions</b>	-40 °C to 65 °C (-40 °F to 149 °F)	
<b>Approvals</b>	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 IEC/EN/SANS/ABNT NBR 60079-0, IEC/EN/SANS/ABNT NBR/GOST 60079-1, IEC/EN/SANS/ABNT NBR/GOST 60079-31, GOST 31610.0, GB3836.1, GB3836.2, CAN/CSA-C22.2 No. 60079-0, CAN/CSA-C22.2 No. 60079-1, CSA-C22.2 No. 60065-03, CAN/CSA C22.2 No. 25, CAN/CSA C22.2 No. 30-M, UL 1203	
<b>Certifications</b>	ATEX:II 2 G Ex db IIC T4 Gb -60°C ≤ Ta ≤ +70°C Gb, II 2 D Ex tb IIIC T135°C Db IP66/67, Certificate: ITS16ATEX101021X IECEx: Ex db IIC T4 -60°C ≤ Ta ≤ +70°C Gb, Ex tb IIIC T135°C Db IP66/67, Certificate: IECEx ITS 15.0068X Inmetro: IIC T4 Gb -60°C ≤ Ta ≤ +70°C Gb, IIIC T135°C Db IP66/67, Certificate: UL-BR 17.0063X cLCSA: Ex d IIC T4 -60°C ≤ Ta ≤ +60°C, Certificate: 11396-15-CSA EAC: Ex db IIC T4 Gb -60°C ≤ Ta ≤ +70°C, Ex tb IIIC T135°C Db IP66/67, Certificate: TCRUCGB.ГБ04.В00587 CCOE: Ex db IIC T4 Gb -60°C ≤ Ta ≤ +70°C, Ex tb IIIC T135°C Db IP66/67, Certificate: P400546/1 CNEX: Ex db IIC T4 Gb -60°C ≤ Ta ≤ +70°C, Ex tb IIIC T135°C Db IP66/67, Certificate: 17.1245X IA: Ex db IIC T4 Gb -60°C ≤ Ta ≤ +70°C, Ex tb IIIC T135°C Db IP66/67, Certificate: S-XPL/17.0244X KCC: Ex d IIC T4 -60°C ≤ Ta ≤ +70°C, Ex tD A21 T135°C IP66/67 -60°C to +65°C, Certificate: 17-GA4B0-0351X, 17-GA4B0-0352X UL: Class I, Division 1, Groups B, C, D, T4+ -50°C to +70°C (-58°F to +158°F), Class II, Division 1, Groups E, F, G, IP67, Class 1 Zone 1 A Ex d IIB + Hydrogen T4, Certificate: 20170721-E477542	
<b>Dimensions</b>	475 x 512 x 480 mm (18 11/16 x 20 3/16 x 18 7/8 in)	
<b>Weight</b>	50 kg (110 lb)	
<b>Included accessories</b>	Sunshield, installation guide, Windows decoder 1-user license, AXIS Surveillance microSDXC <sup>™</sup> Card 64 GB	
<b>Optional accessories</b>	Ex Power Supply ATEX Ex Washer Tank Pressurized ATEX/IECEx, Ex Power Supply UL, Ex Cable ATEX/IECEx/EAC in various lengths, wall and pole stainless steel mounts Not all accessories are available for all certifications. For more accessories, see <a href="http://axis.com">axis.com</a>	
<b>Video management software</b>	AXIS Companion, AXIS Camera Station, Video management software from Axis' Application Development Partners available on <a href="http://axis.com/techsup/software">axis.com/techsup/software</a>	
<b>Languages</b>	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese	
<b>Warranty</b>	Axis 3-year warranty, see <a href="http://axis.com/warranty">axis.com/warranty</a>	
<b>Export control</b>	This product is subject to export control regulations. You should always consult and comply with the regulations of the appropriate local export control authorities.	

- a. *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)