

# 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.	Germanium protective window
<b>Certification part code</b>	XP40-Q1942/XP40-Q1942 -60 C: 1410-10-TI-50/2420-01 Delivered 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 Delivered in UL1410 series explosion-protected housing with UL2420 series pan-tilt motor.	<b>Memory</b> 512 MB RAM, 256 MB Flash
<b>Camera</b>		<b>Power</b> XP40-Q1942/XP40-Q1942 -60 C/XP40-Q1942 -50 C UL: Max consumption, 24 V AC: 100 W XP40-Q1942 -50 C 110 V UL: Max consumption, 110 V AC: 114 W
<b>Image sensor</b>	Uncooled Micro bolometer 640x480, pixel size: 17 µm Spectral range: 8–14 µm	<b>Connectors</b> XP40-Q1942 models: One M25 cable entry for cable conduits XP40-Q1942 UL models: Two 3/4" NPT conduit entries
<b>Lens</b>	Athermalized 19 mm, F1.23 Horizontal field of view: 32°	<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://www.axis.com">www.axis.com</a>
<b>Sensitivity</b>	NETD < 50 mK	<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>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>Storage conditions</b> -40 °C to 65 °C (-40 °F to 149 °F)
<b>Video</b>		<b>Approvals</b> EMC EN 55022 Class A, EN 55024 Class A, EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class A, ICES-003 Class A, RCM AS/NZS CISPR 22 Class A Safety EN/UL/CSA 60065 Environment IEC/EN 60529 IP66, IP67 Explosion IEC/EN/UL/CSA 60079-0, IEC/EN/UL/CSA 60079-1, UL1203 CSA C22.2 No. 25 M 1966, CSA C22.2 No. 30 M 1986
<b>Video compression</b>	H.264 (MPEG-4 Part 10/AVC) Baseline, and Main profiles Motion JPEG	<b>Certifications</b> ATEX: II 2 G Ex db IIC T4, II 2 D Ex tb IIIC T135°C Db IP66/67 IECEx: Ex d IIC T4 -60°C ≤ Ta ≤ +70°C Gb, Ex tb IIIC T135°C Db IP66/67 Inmetro: Ex d IIC T4 -60°C ≤ Ta ≤ +70°C Gb, Ex tb IIIC T135°C Db IP66/67 CSA: Ex d IIC T4 -60°C ≤ Ta ≤ +60°C; Operating temperature: -40 °C to 60 °C (-40 °F to 140 °F) EAC: Ex d IIC -60°C ≤ Ta ≤ +70°C Gb, Ex tb IIIC T135°C Db, IP66/67 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
<b>Resolution</b>	Sensor is 640x480. Image can be scaled up to 800x600 (SVGA).	<b>Dimensions</b> 475 x 512 x 480 mm (18 11/16 x 20 3/16 x 18 7/8 in)
<b>Frame rate</b>	Up to 8.3 fps	<b>Weight</b> 50 kg (110 lb)
<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>Included accessories</b> Sunshield, installation guide, Windows decoder 1-user license, AXIS Surveillance microSDXC™ Card 64 GB
<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>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 All accessories are not available for all certifications. For more accessories, see <a href="http://www.axis.com">www.axis.com</a>
<b>Network</b>		<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/techsup/software">www.axis.com/techsup/software</a>
<b>Security</b>	Password protection, IP address filtering, HTTPS <sup>3</sup> encryption, Digest authentication, User access log, Centralized Certificate Management	<b>Languages</b> English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese
<b>Supported protocols</b>	IPv4/v6, HTTP, HTTPS <sup>3</sup> , SSL/TLS <sup>3</sup> , 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	<b>Warranty</b> Axis 3-year warranty, see <a href="http://www.axis.com/warranty">www.axis.com/warranty</a>
<b>System integration</b>		<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.
<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 <sup>®</sup> Profile S and ONVIF <sup>®</sup> Profile G, specification at <a href="http://www.onvif.org">www.onvif.org</a>	<b>a.</b> This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. ( <a href="http://www.openssl.org">www.openssl.org</a> ), and cryptographic software written by Eric Young ( <a href="mailto:ey@cryptsoft.com">ey@cryptsoft.com</a> ).
<b>Analytics</b>	AXIS Video Motion Detection, Shock detection Support for AXIS Camera Application Platform, see <a href="http://www.axis.com/acap">www.axis.com/acap</a>	<b>Environmental responsibility:</b> <a href="http://www.axis.com/environmental-responsibility">www.axis.com/environmental-responsibility</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-, IP67- rated electropolished SAE 316L stainless steel casing for maximum corrosion protection	