# XP40-Q1765 Explosion-Protected PTZ Network Camera

## PTZ camera for hazardous areas

XP40-Q1765 Explosion-Protected PTZ 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. XP40-Q1765 provides superb image quality and color fidelity and a high level of flexible integration with other equipment, such as access control and fire alarms. It offers flexible remote accessibility using any existing IP-based networks.

> **Stainless steel (SAE 316L) and impact resistance**

> **Continuous 360° pan, ±90° tilt**

> **Full HDTV 1080p resolution**

> **18x zoom and autofocus**

> **Wide temperature range**

# XP40-Q1765 Explosion-Protected PTZ Network Camera

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|---|---|
| **Models** | XP40-Q1765<br>XP40-Q1765 -60 C<br>XP40-Q1765 -50 C UL<br>XP40-Q1765 -50 C 110 V UL<br>All models are available in different versions depending on the regional requirements for hazardous equipment certification. |
| **Certification part code** | XP40-Q1765/XP40-Q1765 -60 C: 1410-25/2420-01<br>All models delivered in 1410 series explosion-protected housing with 2420 series pan-tilt motor.<br>**XP40-Q1765 -50 C UL/XP40-Q1765 -50 C 110 V UL:**<br>OXALIS-UL1410-25/UL2420-01 |

## Camera

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| **Image sensor** | Progressive scan RGB CMOS 1/2.9" |
| **Lens** | 4.7–84.6 mm, F1.6–2.8<br>Horizontal field of view 59°–4°<br>Vertical field of view 35°–2°<br>Autofocus |
| **Day and night** | Automatically removable infrared-cut filter |
| **Minimum illumination** | **Color:** 0.5 lux at 30 IRE F1.6<br>**B/W:** 0.04 lux at 30 IRE F1.6 |
| **Shutter time** | 1/28000 s to 2 s |
| **Pan/Tilt/Zoom** | Pan: 360° endless , 0.1 – 45°/s<br>Tilt: ±90°, 0.1 – 24°/s<br>18x optical zoom and 12x digital zoom, total 216x zoom<br>64 preset positions, preset accuracy +/-0.1°, Guard Tour, Driver selection, Control queue |

## Video

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| **Video compression** | H.264 (MPEG-4 Part 10/AVC) Baseline, and Main profiles<br>Motion JPEG |
| **Resolution** | 1920x1080 HDTV 1080p to 160x90 |
| **Frame rate** | Up to 30/25 fps (60/50 Hz) in all resolutions |
| **Video streaming** | Multiple, individually configurable streams in H.264 and Motion JPEG<br>Controllable frame rate and bandwidth<br>VBR/CBR H.264 |
| **Image settings** | Compression, color, brightness, sharpness, white balance, exposure control, exposure zones, backlight compensation, WDR – dynamic contrast, fine tuning of behavior at low light, rotation, text and image overlay, day/night shift level |

## Network

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| **Security** | Password protection, IP address filtering, HTTPS[a] encryption, Digest authentication, User access log, Centralized Certificate Management |
| **Supported protocols** | IPv4/v6, HTTP, HTTPS[a], SSL/TLS[a], QoS Layer 3 DiffServ, FTP, SFTP, 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

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| **Application Programming Interface** | Open API for software integration, including VAPIX® and AXIS Camera Application Platform; specifications at *www.axis.com*<br>AXIS Video Hosting System (AVHS) with One-Click Connection<br>ONVIF® Profile S and ONVIF® Profile G, specification at *www.onvif.org* |
| **Analytics** | AXIS Video Motion Detection 4, active tampering alarm<br>Support for AXIS Camera Application Platform enabling installation of third-party applications, see *www.axis.com/acap* |
| **Event triggers** | Analytics, Edge storage events |
| **Event actions** | Day/night mode, overlay text, video recording to edge storage, pre- and post-alarm video buffering, send SNMP trap<br>File upload via FTP, SFTP, HTTP, HTTPS network share and email<br>Notification via email, HTTP, HTTPS and TCP |
| **Data streaming** | Event data |
| **Built-in installation aids** | Pixel counter |

## General

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| **Casing** | IP66- and IP67-rated, electropolished SAE 316L stainless steel casing for maximum corrosion protection |
| **Memory** | 256 MB RAM, 128 MB Flash |
| **Power** | **XP40-Q1765/XP40-Q1765 -60 C/XP40-Q1765 -50 C UL:**<br>Max consumption, 24 V AC: 100 W<br>**XP40-Q1765 -50 C 110 V UL:**<br>Max consumption, 110 V AC: 114 W |
| **Connectors** | **XP40-Q1765 models:** One M25 conduit entry<br>**XP40-Q1765 UL models:** Two 3/4" NPT conduit entries |
| **Storage** | Support for microSD/microSDHC/microSDXC card<br>Support for SD card encryption<br>Support for recording to network-attached storage (NAS)<br>For SD card and NAS recommendations see *www.axis.com* |
| **Operating conditions** | **XP40-Q1765:** -40 °C to 70 °C (-40 °F to 158 °F)<br>**XP40-Q1765 -60 C:** -60 °C to 40 °C (-76 °F to 104 °F)<br>**XP40-Q1765 UL models:** -50 °C to 70 °C (-58 °F to 158 °F)<br>Humidity 10–100% RH (condensing) |
| **Storage conditions** | -40 °C to 65 °C (-40 °F to 149 °F) |
| **Approvals** | **EMC**<br>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<br>**Safety**<br>EN/UL/CSA 60065<br>**Environment**<br>IEC/EN 60529 IP66, IP67, IEC/EN 62262 IK10 body, IK08 glass<br>**Explosion**<br>IEC/EN/UL/SANS/CSA 60079-0, IEC/EN/UL/SANS/CSA 60079-1, UL1203 CSA C22.2 No. 25 M 1966, CSA C22.2 No. 30 M 1986 |
| **Certifications** | **ATEX:** II 2 G Ex db IIC T4 Gb, II 2 D Ex tb IIIC T135°C Db IP66/67<br>**IECEx:** Ex db IIC T4 -60°C ≤ Ta ≤ +70°C Gb, Ex tb IIIC T135°C Db IP66/67<br>**Inmetro:** Ex db IIC T4 -60°C ≤ Ta ≤ +70°C Gb, Ex tb IIIC T135°C Db IP66/67<br>**LCus C1/Z1:** Class 1 Zone 1 AEx d IIC T4 Gb -60°C ≤ Ta ≤ +70°C<br>**cLCus C1/D1:** Class I, Division 1, Groups B, C, D, -60°C ≤ Ta ≤ +70°C / Class II, Division 1, Groups E, F, G, IP66/IP67<br>**cLC CSA:** Ex d IIC T4 -60°C ≤ Ta ≤ +60°C<br>**EAC:** Ex db IIC -60°C ≤ Ta ≤ +70°C Gb, Ex tb IIIC T135°C Db, IP66/67<br>**CCOE:** Ex d IIC -60°C ≤ Ta ≤ +70°C Gb, Ex tb IIIC T135°C Db, IP66/67<br>**CNEX:** Ex d IIC T4 Gb, Ex tb IIIC 135°C Db, IP66/67<br>**Certex:** Ex db IIC T4 Gb, Ex tb IIIC T135°C Db IP66/67<br>**UL:** Class I, Division 1, Groups B, C, D, T4+, Class II, Division 1, Groups E, F, G Class 1 Zone 1 A Ex d IIB + Hydrogen T4 -50°C ≤ Ta ≤ +70°C |
| **Dimensions** | 475 x 512 x 480 mm (18 11/16 x 20 3/16 x 18 7/8 in) |
| **Weight** | 50 kg (110 lb) |
| **Included accessories** | Sunshield, installation guide, Windows decoder 1-user license, AXIS Surveillance microSDXC™ Card 64 GB |
| **Optional accessories** | Ex Power Supply ATEX/IECEx<br>Ex Washer Tank Pressurized ATEX/IECEx, Ex Power Supply UL, Ex Cable ATEX/IECEx/EAC in various lengths, wall and pole stainless steel mounts<br>All accessories are not available for all certifications.<br>For more accessories, see *www.axis.com* |
| **Video management software** | AXIS Companion, AXIS Camera Station, Video management software from Axis' Application Development Partners available on *www.axis.com/techsup/software* |
| **Languages** | English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese |
| **Warranty** | Axis 3-year warranty, see *www.axis.com/warranty* |

a. *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:**

www.axis.com/environmental-responsibility

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