

XP40-Q1785 Explosion-Protected PTZ Camera

First-class positioning camera for hazardous areas

XP40-Q1785 offers HDTV 1080p image quality up to 60 fps. It's certified (NEC, CEC, IECEx, ATEX and EAC Ex) for use in potentially combustible environments. Enclosed in a stainless steel housing with IP66/IP67 ratings, this positioning camera can withstand extreme temperatures from -60 °C to 60 °C (-76 °F to 140 °F). Featuring 32x optical zoom it provides continuous 360° pan and 180° tilt movement. This high-performance PTZ camera offers long-distance connections using fiber optics or Ethernet cabling. Plus, thanks to direct mains power input it's simple to install and there's no need for an external power supply.

- > **HDTV 1080p with 32x optical zoom**
- > **360° continuous pan and 180° tilt movement**
- > **Forensic WDR, Lightfinder and EIS**
- > **Ease of installation with fiber optics or Ethernet**
- > **NEC, CEC, IECEx, ATEX and EAC Ex**



XP40-Q1785 Explosion-Protected PTZ Camera

Models	XP40-Q1785 -40 C XP40-Q1785 -60 C XP40-Q1785 -40 C 230 V XP40-Q1785 -60 C 230 V XP40-Q1785 -40 C 230 V FO XP40-Q1785 -60 C 230 V FO XP40-Q1785 UL -50 C XP40-Q1785 UL -50 C 110 V XP40-Q1785 UL -50 C 110 V FO	File upload: FTP, SFTP, HTTP, HTTPS, network share and email Notification: email, HTTP, HTTPS, TCP and SNMP trap
Certification part code	All models supplied in 1410 series explosion-protected housing with 2420 series pan-tilt motor. XP40-Q1785 -40 C models, XP40-Q1785 -60 C models: 1410-25/2420-01 XP40-Q1785 UL -50 C models: OXALIS-UL1410-25/UL2420-01 All models supplied in 1410/2420-series explosion-protected housing manufactured and certified by Eaton MEDC Ltd., UK.	
Camera		
Image sensor	1/2.8" progressive scan RGB CMOS	
Lens	4.3-137 mm, F1.4-4.0 Horizontal field of view: 60°-2.3° Vertical field of view: 39°-1.3° Autofocus	
Minimum illumination	Color: 0.16 lux at 50 IRE F1.4 B/W: 0.03 lux at 50 IRE F1.4	
Shutter speed	1/66500 s to 1 s	
Pan/Tilt/Zoom	Pan: 360° endless, 0.1 - 45°/s Tilt: ±90°, 0.1 - 24°/s 32x optical zoom and 12x digital zoom, total 384x zoom 100 preset positions, preset accuracy +/-0.1°, Guard Tour, Driver selection, Control queue	
Video		
Video compression	H.264 (MPEG-4 Part 10/AVC) Baseline, and Main profiles Motion JPEG	
Resolution	1920x1080 HDTV 1080p to 160x90 Maximum pixel density with 32x optical zoom: 25 m (82 ft): 1912 px/m 50 m (164 ft): 956 px/m 250 m (820 ft): 191 px/m	
Frame rate	With WDR: Up to 25/30 fps (50/60 Hz) in all resolutions Without WDR: Up to 50/60 fps (50/60 Hz) in all resolutions	
Video streaming	Multiple, individually configurable streams in H.264 and Motion JPEG Axis Zipstream technology in H.264 Controllable frame rate and bandwidth VBR/MBR H.264	
Image settings	Saturation, contrast, brightness, sharpness, Forensic WDR, defogging, white balance, exposure mode, exposure zones, compression, mirroring of images, electronic image stabilization, barrel distortion correction, text and image overlay, dynamic text and image overlay, privacy masks Rotation: auto, 0°, 90°, 180°, 270° including Corridor Format Scene profiles: forensic, vivid, traffic overview, backlit entrance	
Network		
Security	Password protection, IP address filtering, HTTPS ^a encryption, IEEE 802.1X ^a network access control, digest authentication, user access log, centralized certificate management, signed firmware, brute force delay protection	
Supported protocols	IPv4, IPv6 USGv6, 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, SRTP, TCP, UDP, IGMPv1/v2/v3, RTCP, ICMP, DHCP, ARP, SOCKS, SSH, LLDP	
System integration		
Application Programming Interface	Open API for software integration, including VAPIX [®] and AXIS Camera Application Platform; specifications at axis.com AXIS Video Hosting System (AVHS) with One-Click Connection ONVIF [®] Profile G, ONVIF [®] Profile S, and ONVIF [®] Profile T, specification at onvif.org	
Event conditions	Analytics, edge storage events, virtual inputs through API, shock detection	
Event actions	Pre- and post-alarm video buffering	
Data streaming	Event data	
Built-in installation aids	Remote zoom, pixel counter, leveling assistant, autorotation	
Analytics		
Applications	Included AXIS Motion Guard, AXIS Fence Guard, AXIS Loitering Guard AXIS Video Motion Detection, active tampering alarm, gatekeeper Supported AXIS Perimeter Defender Support for AXIS Camera Application Platform enabling installation of third-party applications, see axis.com/acap	
General		
Casing	IP66- and IP67-rated, electropolished ASTM 316L (EN 1.4404) stainless steel casing for maximum corrosion protection	
Memory	1024 MB RAM, 512 MB Flash	
Power	Max consumption: 130 W Power input: 24 V AC, 110 V AC, or 230 V AC, depending on model	
Connectors	XP40-Q1785 models: One M25 conduit entry XP40-Q1785 UL models: Two 3/4" NPT conduit entries All models: Terminal connector for power and connection to optional washer tank. Network connectivity FO models: Simplex single mode 9/125 μm, SC connector, 10/100 Mb Other models: RJ45 for Ethernet	
Storage	Pre-installed AXIS Surveillance microSDXC Card 128 GB Support for SD card encryption Recording to network-attached storage (NAS) For SD card and NAS recommendations see axis.com	
Operating conditions	XP40-Q1785 -40 C models: -40 °C to 60 °C (-40 °F to 140 °F) XP40-Q1785 -60 C models: -60 °C to 40 °C (-76 °F to 104 °F) XP40-Q1785 UL models: -50 °C to 60 °C (-58 °F to 140 °F) Humidity 10-100% RH (condensing)	
Storage conditions	-40 °C to 65 °C (-40 °F to 149 °F) Humidity 5-95% RH (non-condensing)	
Approvals	EMC EN 61000-6-2, EN 61000-6-4, FCC Part 15 Subpart B Class A Environment IEC/EN 60529 IP66, IP67, DNVGL-CG-0336 Explosion IEC/EN 60079-0, IEC/EN/GOST 60079-1, IEC/EN/GOST 60079-28, IEC/EN/GOST 60079-31, GOST 31610.0, GB3836.1, GB3836.2, CAN/CSA-C22.2 No. 60079-0, CAN/CSA-C22.2 No. 60079-1, CAN/CSA-C22.2 No. 60079-28, CSA-C22.2 No. 60065-03, CAN/CSA C22.2 No. 25, CAN/CSA C22.2 No. 30-M, UL 1203	
Certifications	ATEX: II 2 G Ex db (op pr) IIC T4 Gb -60°C to 70°C Gb II 2 D Ex tb (op pr) IIIC T135°C Db IP66/67 Certificate: ITS16ATEX101021X IECEX: Ex db (op pr) IIC T4 -60°C to 70°C Gb Ex tb (op pr) IIIC T135°C Db IP66/67 Certificate: IECEX ITS 15.0068X cLC CSA: Ex d IIC T4 -60°C ≤ Ta ≤ +70°C Certificate: 11396-1S-CSA EAC: Ex db (op pr) IIC T4 Gb -60°C to 70°C Ex tb IIIC T135°C Db IP66/67 Certificate: TCRUCGB.ГБ04.800587 UL: Class I, Division 1, Groups B, C, D, T4 -50°C to 70°C Class II, Division 1, Groups E, F, G, IP67 Class 1 Zone 1 A Ex d IIB + Hydrogen T4, Certificate: 20170721-E477542 Optional certifications INMETRO: Ex db (op pr) IIC T4 Gb -60°C to 70°C Gb Ex tb (op pr) IIIC T135°C Db IP66/67 Certificate: UL-BR 17.0063X	

PESO:
 Ex db (op pr) IIC T4 Gb -60°C to 70°C
 Ex tb (op pr) IIIC T135°C Db IP66/67
 Certificate: P400546/1
CNEX:
 Ex db (op pr) IIC T4 Gb -60°C to 70°C
 Ex tb (op pr) IIIC T135°C Db IP66/67
 Certificate: 17.1245X
IA:
 Ex db (op pr) IIC T4 Gb -60°C to 70°C
 Ex tb (op pr) IIIC T135°C Db IP66/67
 Certificate: S-XPL/17.0244X
KCC:
 Ex d IIC T4 -60°C to 70°C
 Ex tD A21 T135°C IP66/67
 Certificate: 17-GA4B0-0351X, 17-GA4B0-0352X,
 17-GA4B0-0355X, 17-GA4B0-0356X

Dimensions	475 x 512 x 480 mm (18 3/4 x 20 1/4 x 18 7/8 in)
Weight	53 kg (117 lb)
Included accessories	Sunshield, installation guide, Windows decoder 1-user license, AXIS Surveillance microSDXC™ Card 128 GB

Optional accessories
 Ex Power Supply ATEX/IECEX, Ex Power Supply UL
 Ex Washer Tank Pressurized ATEX/IECEX, Ex Cable ATEX/IECEX/EAC in various lengths, Ex Wall Mount XP40
 Not all accessories are available for all certifications.
 For more accessories, see axis.com

Video management software
 AXIS Companion, AXIS Camera Station, video management software from Axis Application Development Partners available at axis.com/vms

Languages
 English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese

Warranty
 5-year warranty, see axis.com/warranty

- a. *This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. (openssl.org), and cryptographic software written by Eric Young (eay@cryptsoft.com).*

Environmental responsibility:

axis.com/environmental-responsibility