

XF40-Q1785 Explosion-Protected Camera

First-class fixed box for hazardous areas

Enclosed in a robust stainless steel housing, XF40-Q1785 is certified for use in Class I/II/III, Division 1 to ensure safe operation in potentially combustible environments. Including an integrated long-life wiper, it can withstand tough weather and extreme temperatures. Thanks to outstanding 32x optical zoom, it's possible to install the camera far away from the object and still capture all the details. Axis Lightfinder and Axis Forensic WDR deliver true colors and great details in challenging light or near darkness. Furthermore, Electronic image stabilization (EIS) greatly improves video quality in situations where the camera is subject to vibration.

- > **2 MP, HDTV 1080p at up to 60 fps**
- > **Forensic WDR and Axis Lightfinder**
- > **Electronic image stabilization**
- > **-50 °C to 60 °C (-58 °F to 140 °F)**
- > **Certified for Class I/II/III, Division 1**



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Models	XF40-Q1785 UL -50 C	File upload: FTP, SFTP, HTTP, HTTPS, network share and email Notification: email, HTTP, HTTPS, TCP and SNMP trap
Certification part code	OXALIS-UL1410-25 All models supplied in 1410-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	
System on chip (SoC)		
Model	ARTPEC-6	
Memory	1 GB RAM, 512 MB Flash	
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/ABR/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	
Pan/Tilt/Zoom	32x optical zoom and 12x digital zoom, total 384x zoom	
Network		
Security	Password protection, IP address filtering, HTTPS ^a encryption, IEEE 802.1x (EAP-TLS) ^a network access control, digest authentication, user access log, centralized certificate management, brute force delay protection, signed firmware	
Supported protocols	IPv4, IPv6 USGv6, ICMPv4/ICMPv6, HTTP, HTTPS ^a , HTTP/2, TLS ^a , QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP [®] , SNMP v1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, RTSP, RTP, SRTP, TCP, UDP, IGMPv1/v2/v3, DHCPv4/v6, ARP, SOCKS, SSH, LLDP, CDP, MQTT v3.1.1, Syslog, Link-Local address (ZeroConf)	
System integration		
Application Programming Interface	Open API for software integration, including VAPIX [®] and AXIS Camera Application Platform; specifications at axis.com One-click cloud connection ONVIF [®] Profile G, ONVIF [®] Profile S, and ONVIF [®] Profile T, specification at onvif.org	
Event triggers	Analytics, edge storage events, virtual inputs through API, shock detection MQTT subscribe	
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, active tampering alarm, gatekeeper Supported AXIS Perimeter Defender, AXIS Cross Line Detection 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	
Power	Max consumption, 24 V AC: 28 W	
Connectors	3x 3/4" NPT conduit entries Terminal connector for power and connection to optional washer tank. RJ45 for Ethernet	
Storage	Pre-installed AXIS Surveillance microSDXC Card 128 GB Support for SD card encryption (AES-XTS-Plain64 256bit) Support for recording to network-attached storage (NAS) For SD card and NAS recommendations see axis.com	
Operating conditions	-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 CAN/CSA C22.2 No. 25, CAN/CSA C22.2 No. 30, UL 1203	
Certifications	UL: Class I, Division 1, Groups B, C, D, T4 -50°C to 70°C Class II, Division 1, Groups E, F, G, IP67 Certificate: E477542	
Dimensions	165 x 176 x 480 mm (6 1/2 x 6 15/16 x 18 7/8 in)	
Weight	21 kg (46 lb)	
Included accessories	Sunshield, installation guide, Windows decoder 1-user license, AXIS Surveillance microSDXC™ Card 128 GB	
Optional accessories	ECP081208 PS 24 V Ex Wall Mount XF40 Ex Pole Bracket XF40, Ex Pole Mount XF40 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 (ey@cryptsoft.com).

Environmental responsibility:

axis.com/environmental-responsibility