

## XF40-Q1785 Explosion-Protected Camera

Class/Division- and Zone-certified fixed camera with 32x zoom

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**



# XF40-Q1785 Explosion-Protected Camera

<b>Models</b>	XF40-Q1785 UL -50 C	File upload: FTP, SFTP, HTTP, HTTPS, network share and email Notification: email, HTTP, HTTPS, TCP and SNMP trap
<b>Certification part code</b>	OXALIS-UL1410-25 All models supplied in 1410-series explosion-protected housing manufactured and certified by Eaton MEDC Ltd., UK.	
<b>Camera</b>		
<b>Image sensor</b>	1/2.8" progressive scan RGB CMOS	
<b>Lens</b>	4.3–137 mm, F1.4–4.0 Horizontal field of view: 60°–2.3° Vertical field of view: 39°–1.3° Autofocus	
<b>Minimum illumination</b>	Color: 0.16 lux at 50 IRE F1.4 B/W: 0.03 lux at 50 IRE F1.4	
<b>Shutter speed</b>	1/66500 s to 1 s	
<b>System on chip (SoC)</b>		
<b>Model</b>	ARTPEC-6	
<b>Memory</b>	1 GB RAM, 512 MB Flash	
<b>Video</b>		
<b>Video compression</b>	H.264 (MPEG-4 Part 10/AVC) Baseline, and Main profiles Motion JPEG	
<b>Resolution</b>	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	
<b>Frame rate</b>	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	
<b>Video streaming</b>	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	
<b>Image settings</b>	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	
<b>Pan/Tilt/Zoom</b>	32x optical zoom and 12x digital zoom, total 384x zoom	
<b>Network</b>		
<b>Security</b>	Password protection, IP address filtering, HTTPS <sup>a</sup> encryption, IEEE 802.1x (EAP-TLS) <sup>a</sup> network access control, digest authentication, user access log, centralized certificate management, brute force delay protection, signed firmware	
<b>Supported protocols</b>	IPv4, IPv6 USGv6, ICMPv4/ICMPv6, HTTP, HTTPS <sup>a</sup> , HTTP/2, TLS <sup>a</sup> , QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP <sup>®</sup> , 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)	
<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="https://axis.com">axis.com</a> One-click cloud connection ONVIF <sup>®</sup> Profile G, ONVIF <sup>®</sup> Profile S, and ONVIF <sup>®</sup> Profile T, specification at <a href="https://onvif.org">onvif.org</a>	
<b>Event triggers</b>	Analytics, edge storage events, virtual inputs through API, shock detection MQTT subscribe	
<b>Event actions</b>	Pre- and post-alarm video buffering	
<b>Data streaming</b>	Event data	
<b>Built-in installation aids</b>	Remote zoom, pixel counter, leveling assistant, autorotation	
<b>Analytics</b>		
<b>Applications</b>	<b>Included</b> AXIS Motion Guard, AXIS Fence Guard, AXIS Loitering Guard, active tampering alarm, gatekeeper <b>Supported</b> AXIS Perimeter Defender, AXIS Cross Line Detection Support for AXIS Camera Application Platform enabling installation of third-party applications, see <a href="https://axis.com/acap">axis.com/acap</a>	
<b>General</b>		
<b>Casing</b>	IP66- and IP67-rated, electropolished ASTM 316L (EN 1.4404) stainless steel casing for maximum corrosion protection	
<b>Power</b>	Max consumption, 24 V AC: 28 W	
<b>Connectors</b>	3x 3/4" NPT conduit entries Terminal connector for power and connection to optional washer tank. RJ45 for Ethernet	
<b>Storage</b>	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 <a href="https://axis.com">axis.com</a>	
<b>Operating conditions</b>	-50 °C to 60 °C (-58 °F to 140 °F) Humidity 10–100% RH (condensing)	
<b>Storage conditions</b>	-40 °C to 65 °C (-40 °F to 149 °F) Humidity 5–95% RH (non-condensing)	
<b>Approvals</b>	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	
<b>Certifications</b>	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	
<b>Dimensions</b>	165 x 176 x 480 mm (6 1/2 x 6 15/16 x 18 7/8 in)	
<b>Weight</b>	21 kg (46 lb)	
<b>Included accessories</b>	Sunshield, installation guide, Windows decoder 1-user license, AXIS Surveillance microSDXC™ Card 128 GB	
<b>Optional accessories</b>	ECP081208 PS 24 V Ex Wall Mount XF40 Ex Pole Bracket XF40, Ex Pole Mount XF40 For more accessories, see <a href="https://axis.com">axis.com</a>	
<b>Video management software</b>	AXIS Companion, AXIS Camera Station, video management software from Axis Application Development Partners available at <a href="https://axis.com/vms">axis.com/vms</a>	
<b>Languages</b>	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese	
<b>Warranty</b>	5-year warranty, see <a href="https://axis.com/warranty">axis.com/warranty</a>	

- a. This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. ([openssl.org](https://openssl.org)), and cryptographic software written by Eric Young ([ey@cryptsoft.com](mailto:ey@cryptsoft.com)).

Environmental responsibility:

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