

# XF60-Q1765 Explosion-Protected Network Camera

## Fixed camera for hazardous areas

XF60-Q1765 Explosion-Protected 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 UL. The housing prevents any inside sparks or explosions from escaping and igniting vapors, gases, dust or fibers in the surrounding air. XF60-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**
- > **Full HDTV 1080p resolution**
- > **18x zoom and autofocus**
- > **Wide temperature range**



# XF60-Q.1765 Explosion-Protected Network Camera

<b>Models</b>	XF60-Q1765 -50 C 110 V UL
<b>Certification part code</b>	OXALIS-UL2410-02
<b>Camera</b>	
<b>Image sensor</b>	Progressive scan RGB CMOS 1/2.9"
<b>Lens</b>	4.7–84.6 mm, F1.6–2.8 Horizontal field of view 59°–4° Vertical field of view 35°–2° Autofocus
<b>Day and night</b>	Automatically removable infrared-cut filter
<b>Minimum illumination</b>	Color: 0.5 lux at 30 IRE F1.6 B/W: 0.04 lux at 30 IRE F1.6
<b>Shutter time</b>	1/28000 s to 2 s
<b>Pan/Tilt/Zoom</b>	18x optical zoom and 12x digital zoom, total 216x zoom 64 preset positions
<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
<b>Frame rate</b>	Up to 30/25 fps (60/50 Hz) in all resolutions
<b>Video streaming</b>	Multiple, individually configurable streams in H.264 and Motion JPEG Controllable frame rate and bandwidth VBR/CBR H.264
<b>Image settings</b>	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
<b>Network</b>	
<b>Security</b>	Password protection, IP address filtering, HTTPS <sup>3</sup> encryption, Digest authentication, User access log, Centralized Certificate Management
<b>Supported protocols</b>	IPv4/v6, HTTP, HTTPS <sup>a</sup> , SSL/TLS <sup>a</sup> , QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, Bonjour, UPnP <sup>TM</sup> , SNMP v1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, RTCP, ICMP, DHCP, ARP, SOCKS, SSH
<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="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>Analytics</b>	AXIS Video Motion Detection 4, active tampering alarm Support for AXIS Camera Application Platform enabling installation of third-party applications, see <a href="http://www.axis.com/acap">www.axis.com/acap</a>
<b>Event triggers</b>	Analytics, Edge storage events
<b>Event actions</b>	Day/night mode, 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- and IP67-rated, electropolished SAE 316L stainless steel casing for maximum corrosion protection
<b>Memory</b>	256 MB RAM, 128 MB Flash
<b>Power</b>	Max consumption, 110 V AC: 33 W
<b>Connectors</b>	Three 3/4" NPT conduit entries
<b>Storage</b>	Support for microSD/microSDHC/microSDXC card Support for SD card encryption 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>Operating conditions</b>	-50 °C to 70 °C (-58 °F to 158 °F) Humidity 10–100% RH (condensing)
<b>Storage conditions</b>	-40 °C to 65 °C (-40 °F to 149 °F)
<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, IEC/EN 62262 IK10 body, IK08 glass
<b>Certifications</b>	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>Dimensions</b>	165 x 176 x 720 mm (6 1/2 x 6 15/16 x 28 3/8 in)
<b>Weight</b>	21 kg (46 lb)
<b>Included accessories</b>	Sunshield, installation guide, Windows decoder 1-user license, AXIS Surveillance microSDXC <sup>™</sup> Card 64 GB
<b>Optional accessories</b>	Wall and pole stainless steel mounts For more accessories, see <a href="http://www.axis.com">www.axis.com</a>
<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>Languages</b>	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese
<b>Warranty</b>	Axis 3-year warranty, see <a href="http://www.axis.com/warranty">www.axis.com/warranty</a>

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

Environmental responsibility:  
[www.axis.com/environmental-responsibility](http://www.axis.com/environmental-responsibility)