

ExCam XF Q1645 Explosion-Protected Network Camera

Zone-certified fixed camera with excellent light sensitivity

ExCam XF Q1645 Explosion-Protected Network Camera is an easy-to-install and easy-to-integrate fixed box camera. It delivers high-resolution video (2 MP) at full frame rate (up to 120 fps) for crystal-clear images. The electronic image stabilization greatly improves video quality where the camera is subject to vibrations. The camera is adapted for explosion-prone applications with ATEX, IECEx, EAC Ex, and IA certifications. With low weight, PoE support for plug-and-play installation, ExCam XF Q1645 offers significant savings. The camera helps detecting unauthorized individuals and monitor employee safety in hazardous areas. Suitable for onshore, offshore, marine, and heavy industrial environments.

- > Certified for ATEX, IECEx, EAC Ex, and IA; Zones 1, 2, 21, and 22; Groups IIC and IIIC
- > Cost-efficient installation with PoE
- > HDTV 1080p at 100/120 fps
- > Unparalleled light sensitivity with 1/2" sensor
- > Electronic image stabilization (EIS) and low weight







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Camera			Video recording to edge storage
Image sensor	1/2" progressive scan RGB CMOS		Pre- and post-alarm video buffering
Lens	IR corrected i-CS lens Varifocal 3.9–10.0 mm, F1.5		External output activation, day/night vision mode, status LED, WDR mode, Defog mode, PTZ control MQTT publish
	Horizontal field of view: 85°-42° Vertical field of view: 47°-23°	Data streaming	Event data
Day and night	Automatically removable infrared-cut filter	Built-in installation aids	Remote focus and zoom with supplied i-CS lens Traffic wizard, pixel counter, levelling assistant
Minimum illumination	HDTV 1080p 25/30 fps:	Analytics	name wizura, pixer counter, revening assistant
mummation	Color: 0.03 lux, B/W: 0.01 lux, SNR: 0.03 lux, at 50 IRE F1.5 HDTV 1080p 25/30 fps (WDR off): Color: 0.02 lux, SNR: 0.02 lux, at 50 IRE F1.5	Applications	Included AXIS Motion Guard, AXIS Fence Guard, AXIS Loitering Guard
Shutter speed	1/100000 to 2 s		AXIS Video Motion Detection, active tampering alarm Supported
Pan/Tilt/Zoom	Digital PTZ, uploadable PTZ driver (Pelco D pre-installed)		AXIS Perimeter Defender
System on chir Model	ARTPEC-6		Support for AXIS Camera Application Platform enabling installation of third-party applications, seeaxis.com/acap
		Approvals	
Memory	1 GB RAM, 512 MB Flash	EMC	EN 55032 Class A, EN 61000-6-2, EN 61000-3-2, EN 61000-3-3
Video Video	H.264 (MPEG-4 Part 10/AVC), Main, Baseline and High Profile		EN 62479, EN 61000-4-2, EN 61000-4-3, EN 61000-4-4, EN 61000-4-5, EN 61000-4-6, EN 61000-4-8, EN 61000-4-11
compression	Motion JPEG	Safety	IS 13252
Resolution	1920x1080 to 320x180	Environment	IEC/EN 60529 IP68, IEC/EN 62262 IK10
Frame rate	Up to 100/120 fps (50/60 Hz) in 1920x1080 (no WDR)	Network	NIST SP500-267
Video streaming	Multiple, individually configurable streams in H.264 and Motion JPEG Axis Zipstream technology in H.264 Controllable frame rate and bandwidth	Explosion	DIN EN/IEC 60079-0, DIN EN/IEC 60079-1, DIN EN/IEC 60079-7, DIN EN/IEC 60079-31, TR CU 012/2011, GOST R IEC 60079-0, GOST IEC 60079-1, GOST R IEC 60079-7, GOST R IEC 60079-31
	VBR/MBR H.264	Certifications	Camera: Model key: T08-VA2.3.K3.B0R2-LL.H-005.A-T
Image settings	Saturation, contrast, brightness, sharpness, Forensic WDR – 120 dB, white balance, day/night threshold, exposure mode, exposure zones, compression, orientation: auto, 0°, 90°, 180°, 270° including Corridor Format, mirroring of images, text and image overlay, privacy masks, defogging, noise reduction, electronic image stabilization, barrel distortion correction, orientation aid, fine tuning of behavior at low light Scene profiles: forensic, live, traffic overview, backlit entrance		ATEX: II 2 G Ex db IIC T5 Gb, Ex II 2 D Ex tb IIIC T95°C Db, I M2 Ex db I Mb Certificate: TÜV 18 ATEX 8218X IECEx: Ex db IIC T5 Gb, Ex tb IIIC T95°C Db, Ex d I Mb Certificate: IECEx TUR 18.0023X IA: Ex db IIC T5 Gb, Ex tb IIIC T95°C Db, Ex d I Mb Certificate: MASC MS/18-3256X EAC Ex: 1Ex db IIC T5 Gb, Ex tb IIIC T95°C Db, PB db I Mb
Network			Series: T08, Model: T08-VA2.3.
Security	Password protection, IP address filtering, HTTPS ^a encryption, IEEE 802.1X ^a network access control, digest authentication, user access log, centralized certificate management, brute force delay protection		Certificate: RU C-DE.AB61.B.00381/19 EXTB-3 Junction Box ExCam: (to be removed if the camera is installed in mines) Model key: T12-3M20 ATEX: II 2 G Ex eb IIC T5 Gb, II 2 D Ex tb IIIC T95°C Db IP66,
Network protocols	IPv4, IPv6 USGv6, ICMPv4/ICMPv6, HTTP, HTTP/2, HTTPS ^a , TLS ^a , QoS Layer 3 DiffServ, FTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP™, SNMPv1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, NTS, RTSP, RTP, SFTP, TCP, UDP, IGMPv1/v2/v3, RTCP, ICMP, DHCPv4/v6, ARP, SSH, LLDP, CDP, MQTT v3.1.1, Secure syslog (RFC 3164/5424, UDP/TCP/TLS), Link-Local address (ZeroConf)		-50°C < Tamb < +55°C Certificate: PTB 99 ATEX 3103 IECEx: Ex e IIC T5 Gb, Ex IIIC T95°C Db IP66, -50°C < Tamb < +55°C Certificate: IECEx PTB 06.0026 EAC Ex: 1Ex e IIc T5 Gb X, Ex tb IIIC T95°C Db X
System integra			Certificate: RU C-DE.AA71.B.00120 PESO: Ex db IIC T6 Gb
Application	Open API for software integration, including VAPIX®		Certificate: A/P/HQ/KA/104/5735
Programming Interface	and AXIS Camera Application Platform; specifications at axis.com/developer-community.	Cybersecurity	
	One-Click Cloud Connection ONVIF Profile S and ONVIF Profile G, specifications at <i>onvif.org</i>	Edge security	Software: Signed OS, brute force delay protection, digest authentication and OAuth 2.0 RFC6749 OpenID Authorization
Video management systems	Compatible with AXIS Camera Station Edge, AXIS Camera Station Pro, AXIS Camera Station 5, and video management software from Axis' partners available at axis.com/vms.	Notwork convitu	Code Flow for centralized ADFS account management, password protection
Event triggers	Analytics, external input, edge storage events Detectors: live stream accessed, video motion detection, shock detection	ivelwork security	IEEE 802.1X (EAP-TLS, PEAP-MSCHAPv2), IEEE 802.1AE (MACsec PSK/EAP-TLS), HTTPS/HSTS, TLS v1.2/v1.3, Network Time Security (NTS), X.509 Certificate PKI, host-based firewall
	Hardware: network, temperature Input Signal: manual trigger, virtual inputs MQTT subscribe PTZ: error, moving, preset reached, ready Storage: disruption, recording System: system ready Time: recurrence, use schedule	Documentation	AXIS OS Hardening Guide Axis Vulnerability Management Policy Axis Security Development Model AXIS OS Software Bill of Material (SBOM) To download documents, go to axis.com/support/cybersecurity/resources To read more about Axis cybersecurity support, go to
Event actions	File upload: FTP, SFTP, HTTP, HTTPS, network share and email,		axis.com/cybersecurity
	send video clip Notification: email, HTTP, HTTPS and TCP	General	
	Overlay text, Send SNMP Trap	Casing	IP68-rated, SS 1.4404 (ASTM 316L) stainless steel casing for maximum corrosion protection.

www.cxis.com T10123910/EN/M25.2/2501

	Casing manufactured and certified by Samcon Prozessleittechnik GmbH, www.samcon.eu
Sustainability	PVC free
Power	Camera: Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 3 Typical 4.5 W, max 9.1 W Heater: 24 V DC, max 40 W 24 V DC is required for operating at temperatures below 0 °C (32 °F).
Connectors	EXTB-3 Junction Box ExCam: 10 terminal clamp UT 2.5 2 conductor terminal USLKG 5
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	-60 °C to 60 °C (-76 °F to 140 °F) Humidity 10-100% RH (condensing)
Storage conditions	-40 °C to 65 °C (-40 °F to 149 °F)

Dimensions	357 x 113 x 139 mm (14.06 x 4.45 x 5.5 in)
Weight	10.8 kg (23.8 lb)
Included accessories	Weathershield ExCam XF, Installation Guide, Windows decoder 1-user license, ASKDP03-T Cable ExCam 5 m (16 ft), EXTB-3 Junction Box ExCam AXIS Surveillance microSDXC Card 128 GB
Optional accessories	Wall Mount ExCam XF, Pole Mount ExCam XF Non-armored cables ExCam, 10, 25, 95 m (33, 82, 312 ft), Armored cables ExCam, 10, 25, 95 m (33, 82, 312 ft) Ex Connection Rail 4-port PoE PS 24, Ex Connection Rail 8-port PoE PS 24 For more accessories, see axis.com
Languages	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese, Dutch, Czech, Swedish, Finnish, Turkish, Thai, Vietnamese
Warranty	5-year warranty, see axis.com/warranty

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

