EXCAM XF P3807 Explosion-Protected Panoramic Camera

Zone-certified panoramic multisensor camera

EXCAM XF P3807 delivers 180° panoramic overviews with excellent images and no blind spots. This 8-megapixel multisensor camera captures quality forensic images at up to 30 fps. With four sensors built into a single camera, and seamless stitching of all four images, this lightweight camera lets you monitor one, single smooth and cohesive video stream instead of watching multiple streams. It's certified for ATEX, IECEx, EAC Ex, PESO, INMETRO Zone 1/21 for use in explosion-prone applications. It's enclosed in a stainless steel (SS 316L) housing and includes Forensic WDR and Lightfinder for clear, sharp images even in challenging light.

> **ATEX, IECEx, EAC Ex, PESO, INMETRO Zone 1/21 certified**

> **Seamless 180° panoramic overviews**

> **8 MP, 180° multisensor camera**

> **Cost-efficient installation with PoE**

> **Forensic WDR and Lightfinder**

EXCAM XF P3807 Explosion-Protected Panoramic Camera

Camera

Image sensor	4 x 1/2.9" progressive scan RGB CMOS
Lens	Fixed 3.2 mm, F2.0 Horizontal field of view: 180° Vertical field of view: 90° Minimum focus distance: 10 m (32.8 ft)
Day and night	Automatic IR-cut filter Hybrid IR filter
Minimum illumination	**Color:** 0.17 lux, F2.0 **B/W:** 0.05 lux, F2.0
Shutter speed	1/33500 to 1/10 s
Camera angle adjustment	Pan ±180° Tilt 0°, 35°, 45°, 55° Roll ±5° Default tilt angle: 45°

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, Main and High Profiles Motion JPEG
Resolution	4320x1920 to 480x270
Frame rate	8.3 MP (client dewarp): up to 25/30 fps (50/60 Hz) without WDR, up to 12.5/15 fps (50/60 Hz) with WDR 7.5 MP (dewarped): up to 12.5/15 fps (50/60 Hz)
Video streaming	8.3 MP (client dewarp): 1 individually configurable stream in H.264 and Motion JPEG 7.5 MP (dewarped): 2 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
WDR	Forensic WDR: Up to 120 dB depending on scene
Image settings	Saturation, contrast, brightness, sharpness, white balance, day/night threshold, local contrast, exposure mode, compression, dynamic text and image overlay, polygon privacy mask
Image processing	Axis Zipstream, Forensic WDR, Lightfinder

Network

Network 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, NTS, RTSP, RTP, SRTP/RTSPS, TCP, UDP, IGMPv1/v2/v3, RTCP, ICMP, DHCPv4/v6, ARP, SSH, LLDP, CDP, MQTT v3.1.1, Syslog, Link-Local address (ZeroConf), IEEE 802.1X (EAP-TLS

System integration

Application Programming Interface	Open API for software integration, including VAPIX®, AXIS Camera Application Platform (ACAP); specifications at *axis.com/developer-community*. ACAP includes Native SDK. One-Click Cloud Connection ONVIF® Profile G, ONVIF® Profile M, ONVIF® Profile S and ONVIF® Profile T, specification at *onvif.org*
Video management systems	AXIS Companion[b], AXIS Camera Station, video management software from Axis Application Development Partners available on *axis.com/vms*
Onscreen controls	Privacy masks Media clip
Event conditions	Device status: above operating temperature, above or below operating temperature, below operating temperature, within operating temperature, IP address removed, live stream active, new IP address, network lost, PTZ power failure, system ready Edge storage: recording ongoing, storage disruption, storage health issues detected I/O: manual trigger, virtual input MQTT: subscribe PTZ: PTZ malfunctioning, PTZ ready Scheduled and recurring: schedule Video: average bitrate degradation, day-night mode, tampering

Event actions	Day-night mode Illumination: use lights, use lights while the rule is active MQTT: publish Notifications: HTTP, HTTPS, TCP and email Overlay text PTZ: PTZ preset, start/stop guard tour Recordings: SD card and network share SNMP trap messages: send, send while the rule is active Status LED: flash, flash while the rule is active Upload of images or video clips: FTP, SFTP, HTTP, HTTPS, network share and email
Built-in installation aids	Pixel counter, Leveling guide

Analytics

Applications	Included AXIS Motion Guard, AXIS Fence Guard, AXIS Loitering Guard AXIS Video Motion Detection, active tampering alarm, shock detection Support for AXIS Camera Application Platform enabling installation of third-party applications, see *axis.com/acap*

Approvals

Supply chain	TAA compliant
EMC	EN 55035, EN 55032 Class A, EN 61000-3-2, EN 61000-3-3, EN 61000-6-1, EN 61000-6-2 **Australia/New Zealand:** RCM AS/NZS CISPR 32 Class A
Safety	CAN/CSA C22.2 No. 62368-1 ed. 3, IEC/EN/UL 62368-1 ed. 3
Environment	IEC/EN 60529 IP66/IP67, IEC/EN 60529 IP68
Network	NIST SP500-267
Explosion	EN/IEC 60079-0, EN/IEC 60079-1, EN/IEC 60079-31
Certifications	**Model key:** T08-VA4.1K.PS1-L.H-000.X-X **ATEX** Ex II 2G Ex db IIC T6 Gb Ex II 2D Ex tb IIIC T80°C Db **Certificate number:** TÜV 18 ATEX 8218X **IECEx** Ex db IIC T6 Gb Ex tb IIIC T80°C Db **Certificate number:** IECEx TUR 18.0023X **INMETRO** Ex db IIC T6 Ex tb IIIC T85C **Certificate number:** TÜV 23.0363X **EAC Ex** Ex db IIC T6 Ex tb IIIC T85C **Certificate number:** TC RU C-DE.HA65.B.01652/22 **PESO** Ex db IIC T6 **Certificate number:** A/P/HQ/KA/104/5735 **UKCA** Ex db IIC T6 Ex tb IIIC T85C **Certificate number:** TÜV 22 UKEx 7137 X

Cybersecurity

Edge security	**Software:** Signed firmware, brute force delay protection, digest authentication, password protection, AES-XTS-Plain64 256bit SD card encryption
Network security	IEEE 802.1X (EAP-TLS)[a], IEEE 802.1AR, HTTPS/HSTS[a], TLS v1.2/v1.3[a], Network Time Security (NTS), X.509 Certificate PKI, IP address filtering
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 *axis.com/cybersecurity*

General

Casing	IP66, IP67 and IP68-rated Stainless steel chassis SS 316L

	Color: silver
Power	Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 3, typical 7 W, max 12.9 W
Connectors	Network: M20x1.5 cable entry I/O: Terminal block connector for 10BASE-T/100BASE-TX PoE
Storage	Pre-installed AXIS Surveillance microSDXC Card 128 GB Support for microSD/microSDHC/microSDXC card 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) Start-up temperature: -30 °C Humidity 10–100% RH (condensing)
Storage conditions	-40 °C to 65 °C (-40 °F to 149 °F) Humidity 10–100% RH (condensing)
Dimensions	Height: 378 mm (14.9 in) Dome ø 195 mm (7.7 in)
Weight	16 kg (35.3 lb)
Mounting height	Recommended: 4–15 m
Box content	Camera, installation guide, Windows decoder 1-user license, AXIS Surveillance microSDXC Card 128 GB, owner authentication key
Optional accessories	Wall mount, pole mount, cable gland, cable For more accessories, see *axis.com*

System tools	AXIS Site Designer, AXIS Device Manager, product selector, accessory selector, lens calculator Available at *axis.com*
Languages	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese
Warranty	5-year warranty, see *axis.com/warranty*
Part numbers	Available at *axis.com/products/excam-xf-p3807#part-numbers*

Sustainability

Substance control	PVC free RoHS in accordance with EU RoHS Directive 2011/65/EU/ and EN 63000:2018 REACH in accordance with (EC) No 1907/2006. For SCIP UUID, see *axis.com/partner*.
Materials	Screened for conflict minerals in accordance with OECD guidelines To read more about sustainability at Axis, go to *axis.com/about-axis/sustainability*
Environmental responsibility	*axis.com/environmental-responsibility* Axis Communications is a signatory of the UN Global Compact, read more at *unglobalcompact.org*

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).*
b. *Compatible with 7.5 MP (dewarped) only.*