

# 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](#)



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<b>Camera</b>		Video: average bitrate degradation, day-night mode, tampering
<b>Image sensor</b>	4 x 1/2.9" progressive scan RGB CMOS	<b>Event actions</b> 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
<b>Lens</b>	Fixed 3.2 mm, F2.0 Horizontal field of view: 180° Vertical field of view: 90° Minimum focus distance: 10 m (32.8 ft)	
<b>Day and night</b>	Automatic IR-cut filter Hybrid IR filter	
<b>Minimum illumination</b>	Color: 0.17 lux, F2.0 B/W: 0.05 lux, F2.0	
<b>Shutter speed</b>	1/33500 to 1/10 s	
<b>Camera adjustment</b>	Pan ±180° Tilt 0°, 35°, 45°, 55° Roll ±5° Default tilt angle: 45°	<b>Built-in installation aids</b> Pixel counter, Leveling guide
<b>System on chip (SoC)</b>		<b>Analytics</b>
<b>Model</b>	ARTPEC-6	<b>Applications</b> 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 <a href="http://axis.com/acap">axis.com/acap</a>
<b>Memory</b>	1 GB RAM, 512 MB Flash	<b>Approvals</b>
<b>Video</b>		<b>Supply chain</b> TAA compliant
<b>Video compression</b>	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles Motion JPEG	<b>EMC</b> 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
<b>Resolution</b>	4320x1920 to 480x270	<b>Safety</b> IEC/EN 62368-1
<b>Frame rate</b>	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)	<b>Environment</b> IEC/EN 60529 IP66/IP67, IEC/EN 60529 IP68
<b>Video streaming</b>	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	<b>Network</b> NIST SP500-267
<b>WDR</b>	Forensic WDR: Up to 120 dB depending on scene	<b>Explosion</b> EN/IEC 60079-0, EN/IEC 60079-1, EN/IEC 60079-31
<b>Image settings</b>	Saturation, contrast, brightness, sharpness, white balance, day/night threshold, local contrast, exposure mode, compression, dynamic text and image overlay, polygon privacy mask	<b>Certifications</b> 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 80°C Certificate number: TÜV 23.0363X EAC Ex Ex db IIC T6 Ex tb IIIC T80°C 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 T80°C Certificate number: TÜV 22 UKEx 7137 X
<b>Image processing</b>	Axis Zipstream, Forensic WDR, Lightfinder	<b>Cybersecurity</b>
<b>Network</b>		<b>Edge security</b> Software: Signed OS, brute force delay protection, digest authentication and OAuth 2.0 RFC6749 OpenID Authorization Code Flow for centralized ADFS account management, password protection, AES-XTS-Plain64 256bit SD card encryption
<b>Network 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, 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)	<b>Network security</b> IEEE 802.1X (EAP-TLS, PEAP-MSCHAPv2) <sup>a</sup> , IEEE 802.1AE (MACsec PSK/EAP-TLS), IEEE 802.1AR, HTTPS/HSTS <sup>a</sup> , TLS v1.2/v1.3 <sup>a</sup> , Network Time Security (NTS), X.509 Certificate PKI, host-based firewall
<b>System integration</b>		<b>Documentation</b> <i>AXIS OS Hardening Guide</i> <i>Axis Vulnerability Management Policy</i> <i>Axis Security Development Model</i> AXIS OS Software Bill of Material (SBOM) To download documents, go to <a href="http://axis.com/support/cybersecurity/resources">axis.com/support/cybersecurity/resources</a>
<b>Application Programming Interface</b>	Open API for software integration, including VAPIX <sup>®</sup> , AXIS Camera Application Platform (ACAP); specifications at <a href="http://axis.com/developer-community">axis.com/developer-community</a> . One-Click Cloud Connection ONVIF <sup>®</sup> Profile G, ONVIF <sup>®</sup> Profile M, ONVIF <sup>®</sup> Profile S and ONVIF <sup>®</sup> Profile T, specification at <a href="http://onvif.org">onvif.org</a>	
<b>Video management systems</b>	Compatible with AXIS Camera Station Edge, AXIS Camera Station Pro, AXIS Camera Station 5, and video management software from Axis' partners available at <a href="http://axis.com/vms">axis.com/vms</a> .	
<b>Onscreen controls</b>	Privacy masks Media clip	
<b>Event conditions</b>	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	

To read more about Axis cybersecurity support, go to [axis.com/cybersecurity](https://axis.com/cybersecurity)

General	
<b>Casing</b>	IP66, IP67 and IP68-rated Stainless steel chassis SS 316L Color: silver
<b>Power</b>	Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 3, typical 7 W, max 12.9 W
<b>Connectors</b>	Network: M25x1.5 cable entry for 10BASE-T/100BASE-TX PoE via flipConnect
<b>Storage</b>	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 <a href="https://axis.com">axis.com</a>
<b>Operating conditions</b>	-50 °C to 60 °C (-58 °F to 140 °F) Start-up temperature: -30 °C Humidity 10–100% RH (condensing)
<b>Storage conditions</b>	-40 °C to 65 °C (-40 °F to 149 °F) Humidity 10–100% RH (condensing)
<b>Dimensions</b>	Height: 378 mm (14.9 in) Dome ø 195 mm (7.7 in)
<b>Weight</b>	16 kg (35.3 lb)
<b>Mounting height</b>	Recommended: 4–15 m
<b>Box content</b>	Camera, installation guide, Windows decoder 1-user license, M25 cable gland for outer diameter 8.9–12.4 mm, 2x RJ45 connector, Loctite, AXIS Surveillance microSDXC Card 128 GB (preinstalled), owner authentication key

<b>Optional accessories</b>	Wall mount, pole mount, cable gland, cable For more accessories, see <a href="https://axis.com">axis.com</a>
<b>System tools</b>	AXIS Site Designer, AXIS Device Manager, product selector, accessory selector, lens calculator Available at <a href="https://axis.com">axis.com</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>
<b>Part numbers</b>	Available at <a href="https://axis.com/products/excam-xf-p3807#part-numbers">axis.com/products/excam-xf-p3807#part-numbers</a>
Sustainability	
<b>Substance control</b>	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 <a href="https://axis.com/partner">axis.com/partner</a> .
<b>Materials</b>	Screened for conflict minerals in accordance with OECD guidelines To read more about sustainability at Axis, go to <a href="https://axis.com/about-axis/sustainability">axis.com/about-axis/sustainability</a>
<b>Environmental responsibility</b>	<a href="https://axis.com/environmental-responsibility">axis.com/environmental-responsibility</a> Axis Communications is a signatory of the UN Global Compact, read more at <a href="https://unglobalcompact.org">unglobalcompact.org</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 ([eyay@cryptsoft.com](mailto:eyay@cryptsoft.com)).