

D101-A XF P3807 Explosion-Protected Network Camera

Seamless 180° coverage for hazardous areas

D101-A 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 worldwide with Class I/II/III, Division 1 and Zone 1 for use in explosion-prone applications. It's enclosed in an IP66 rated aluminum red housing and includes Forensic WDR and Lightfinder for clear, sharp images even in challenging light.

- > [Certified for Class I/II/III, Division 1 and Zone 1](#)
- > [Seamless 180° panoramic overviews](#)
- > [8 MP, 180° multisensor camera](#)
- > [Cost-efficient installation with PoE](#)
- > [Forensic WDR and Lightfinder](#)



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Camera		US Patent 9917428
Image sensor	4 x 1/2.9" progressive scan RGB CMOS	Sustainability PVC free
Lens	Fixed 3.2 mm, F2.0 Horizontal field of view: 180° Vertical field of view: 90°	Memory 1 GB RAM, 512 MB Flash
Day and night	Automatically removable infrared-cut filter	Power Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 3, typical 7 W, max 12.9 W
Minimum illumination	Color: 0.17 lux, F2.0 B/W: 0.05 lux, F2.0	Connectors M20x1.5 cable entry Terminal block connector for 10BASE-T/100BASE-TX PoE
Shutter time	1/33500 to 1/10 s	Storage 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 axis.com
Camera angle adjustment	Pan ±180° Tilt 0°, 35°, 45°, 55° Roll ±10° Default tilt angle: 45°	Operating conditions -20 °C to 55 °C (-4 °F to 131 °F) Humidity 10–100% RH (condensing)
Video		Storage conditions -40 °C to 65 °C (-40 °F to 149 °F)
Video compression	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles Motion JPEG	Approvals EMC EN 55032 Class A, FCC Part 15 Subpart B Class A, ICES-003 Class A, VCCI Class A, RCM AS/NZS CISPR 32 Class A, EN 55024, EN 61000-6-1, EN 61000-6-2
Resolution	4320x1920 to 480x270	Environment IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-6, IEC 60068-2-14, IEC 60068-2-27, IEC 60068-2-78, ANSI/IEC/CAN/CSA-C22.2 60529 IP66, NEMA 250 Type 4X
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)	Explosion ANSI/ISA/EN/IEC/CAN/CSA-C22.2 60079-0, ANSI/UL/EN/IEC/CAN/CSA-C22.2 60079-1, ANSI/UL/IEC/EC/CAN/CSA-C22.2 60079-31
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/MBR H.264	Certifications USA and Canada: Class I Division 1 Groups B, C, D T6, Ta = -20 °C to 55 °C, Type 4X, IP66 Class II/III Division 1 Groups E, F, G T6, Ta = -20 °C to 55 °C, Type 4X, IP66 Class I, Zone 1 AEx/Ex db IIB+H2 T6 Gb, Ta = -20 °C to 55 °C, Type 4X, IP66 Zone 21, AEx/Ex tb IIIC T85°C Db, Ta = -20 °C to 55 °C, Type 4X, IP66 Certificate number: FM17US0156X and FM18CA0103X ATEX: II 2 G Ex db IIB+H2 T6 Gb Ta = -20 °C to 55 °C, IP66 II 2 D Ex tb IIIC Db T85°C Ta = -20 °C to 55 °C, IP66 Certificate number: FM18ATEX0057X IECEx: Ex db IIB+H2 T6 Gb Ta = -20 °C to 55 °C, IP66 Ex tb IIIC Db T85°C Ta = -20 °C to 55 °C, IP66 Certificate number: FMG18.0020X
Image settings	Saturation, contrast, brightness, sharpness, Forensic WDR: up to 120 dB depending on scene, white balance, day/night threshold, exposure mode, compression, dynamic text and image overlay, exposure control, noise reduction, fine tuning of behavior at low light, polygon privacy masks	Dimensions ø 8.6 in (218 mm) Height: 15.9 in (404 mm)
Network		Weight 19 lb (8.6 kg)
Security	Password protection, IP address filtering, HTTPS ^a encryption, IEEE 802.1X ^a network access control, digest authentication, user access log, centralized certificate management signed firmware	Mounting height Recommended: 4–15 m
Supported protocols	IPv4/v6, HTTP, HTTPS ^a , SSL/TLS ^a , QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, Bonjour, UPnP [®] , SNMP v1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, RTCP, ICMP, DHCP, ARP, SOCKS, SSH, LLDP	Included accessories Installation guide, Windows decoder 1-user license, AXIS Surveillance microSDXC Card 128 GB
System integration		Optional accessories Wall Mount D101-A XF (for best panoramic view away from walls, or for ceilings), Wall Mount D201-S XPT, Pole Mount D201-S XPT, Corner Mount D201-S XPT For more accessories, see axis.com
Application Programming Interface	Open API for software integration, including VAPIX [®] and AXIS Camera Application Platform; specifications at axis.com AXIS Guardian with One-Click Connection ONVIF [®] Profile G and ONVIF [®] Profile S, specification at onvif.org	Video management software AXIS Companion ^b , AXIS Camera Station, video management software from Axis Application Development Partners available on axis.com/vms
Analytics	Included AXIS Video Motion Detection, active tampering alarm Supported AXIS Motion Guard, AXIS Fence Guard, AXIS Loitering Guard Support for AXIS Camera Application Platform enabling installation of third-party applications, see axis.com/acap	Languages English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese
Event triggers	Analytics, edge storage events, shock detection	Warranty Axis 3-year warranty and AXIS Extended Warranty option, see axis.com/warranty
Event actions	Day/night mode, overlay text, video recording to edge storage, pre- and post-alarm video buffering, send SNMP trap File upload: FTP, SFTP, HTTP, HTTPS network share, email Notification: email, HTTP, HTTPS TCP	
Data streaming	Event data	
Built-in installation aids	Pixel counter, Leveling guide	
General		
Casing	IP66-rated, powdercoated aluminum chassis Color: Red/silver Prepared for American Petroleum Institute (API) DROP compliance, with additional safety wire for US offshore installations Casing manufactured and certified by Spectrum Camera Solutions, LLC	

- 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 (eyay@cryptsoft.com).
- b. Compatible with 7.5 MP (dewarped) only.

Environmental responsibility:

axis.com/environmental-responsibility