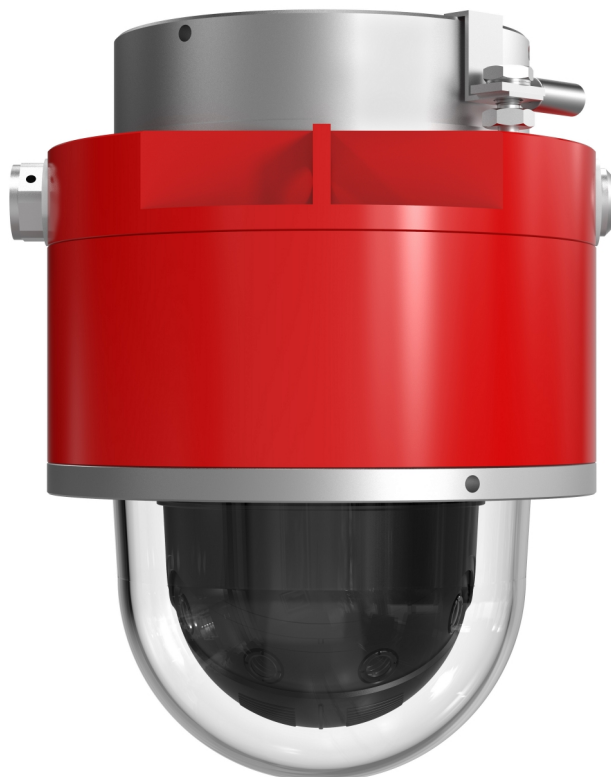# D101-A XF P3807 Explosion-Protected Network Camera

Class/Division- and Zone-certified multi-sensor dome camera

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

D101-A XF P3807 Explosion-Protected Network 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°
Day and night	Automatically removable infrared-cut 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 ±10° Default tilt angle: 45°

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/MBR H.264
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

Network

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, signed firmware
Network protocols	IPv4/v6, ICMPv4/ICMPv6, HTTP, HTTP/2, HTTPS[a], TLS[a], QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP®, SNMP v1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, RTSP, RTP, TCP, UDP, IGMPv1/v2/v3, RTCP, ICMP, DHCPv4/v6, ARP, SSH, LLDP, CDP, MQTT v3.1.1, Syslog, Link-Local address (ZeroConf)

System integration

Application Programming Interface	Open API for software integration, including VAPIX® and AXIS Camera Application Platform; specifications at *axis.com* One-Click Cloud Connection ONVIF® Profile G, ONVIF® Profile S and ONVIF® Profile T, specification at *onvif.org*
Event triggers	Analytics, edge storage e vents, shock detection MQTT subscribe
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 MQTT publish
Data streaming	Event data
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 Support for AXIS Camera Application Platform enabling installation of third-party applications, see *axis.com/acap*

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 US Patent 9917428
Sustainability	PVC free
Memory	1 GB RAM, 512 MB Flash
Power	Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 3, typical 7 W, max 12.9 W
Connectors	M20x1.5 cable entry Terminal block connector for 10BASE-T/100BASE-TX PoE
Storage	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	-20 °C to 55°C (-4 °F to 131 °F) Humidity 10–100% RH (condensing)
Storage conditions	-40 °C to 65 °C (-40 °F to 149 °F)
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 **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 **Explosion** ANSI/ISA/EN/IEC/CAN/CSA-C22.2 60079-0, ANSI/UL/EN/IEC/CAN/CSA-C22.2 60079-1, ANSI/UL/IEN/EC/CAN/CSA-C22.2 60079-31
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 **INMETRO:** Ex db IIB+H2 T6 Gb Ta = -20 °C to 50 °C, IP66 Ex tb IIIC Db T85°C Ta = -20 °C to 50 °C, IP66 **Certificate number:** NCC 20.0083 X
Dimensions	ø 8.6 in (218 mm) Height: 15.9 in (404 mm)
Weight	19 lb (8.6 kg)
Mounting height	Recommended: 4–15 m
Included accessories	Installation guide, Windows decoder 1-user license, AXIS Surveillance microSDXC Card 128 GB
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*
Video management software	AXIS Companion[b], AXIS Camera Station, video management software from Axis Application Development Partners available on *axis.com/vms*
Languages	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese

Warranty   5-year warranty, see *axis.com/warranty*

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.*

Environmental responsibility:

axis.com/environmental-responsibility