F101-A XF P1367 Explosion-Protected Network Camera

Superb light sensitivity in hazardous areas

F101-A XF P1367 Explosion-Protected Network Camera is an easy-to-install and easy-to-integrate fixed box camera. Thanks to i-CS lens, the zoom can be set remotely, and the camera automatically sets the focus. Images are optimized for forensic purposes regardless of lighting conditions, thanks to Lightfinder and WDR–Forensic Capture. The camera is adapted for explosion-prone applications with Class I/II/III, Division 1 and Zone 1 certifications. With low weight, PoE support for plug-and-play installation, F101-A XF P1367 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.

> Class I/II/III, Division 1 and Zone 1 certified

> Cost-efficient installation with PoE

> Low weight for simple installation

> Support for i-CS lens for remote zoom and focus

> 5 MP resolution at 25/30 fps

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Camera

Image sensor	1/2.9" progressive scan RGB CMOS
Lens	IR corrected i-CS lens Varifocal 2.8–8.5 mm, F1.2 Horizontal field of view: 104°–36° Vertical field of view: 55°–20°
Day and night	Automatically removable infrared-cut filter
Minimum illumination	**Color:** 0.15 lux **B/W:** 0.03 lux, at 50 IRE F1.2
Shutter time	1/55500 s to 2 s

Video

Video compression	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles Motion JPEG
Resolution	3072x1728 (5 MP) to 160x90
Frame rate	25/30 fps (50/60 Hz) in all resolutions
Video streaming	Multiple, individually configurable streams in H.264 and Motion JPEG Zipstream technology in H.264 Controllable frame rate and bandwidth VBR/MBR H.264
Multi-view streaming	Up to 8 individually cropped out view areas
Image settings	Saturation, contrast, brightness, sharpness, local contrast, white balance, exposure control, exposure zones, WDR - forensic capture: Up to 120 dB depending on scene, fine tuning of behavior at low light, rotation: 0°, 90°, 180°, 270° including Corridor Format, text and image overlay, privacy mask, mirroring of images

Network

Security	Password protection, IP address filtering, HTTPS[a] encryption, IEEE 802.1X[a] network access control, Digest authentication, User access log, brute force delay protection
Supported protocols	IPv4/v6, HTTP, HTTPS[a], SSL/TLS[a], QoS Layer 3 DiffServ, FTP, CIFS/SMB, SMTP, Bonjour, UPnP™, SNMP v1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, SRTP, SFTP, TCP, UDP, IGMP, RTCP, ICMP, DHCP, ARP, SOCKS, SSH, LLDP, MQTT

System integration

Application Programming Interface	Open API for software integration, including VAPIX® and AXIS Camera Application Platform; specifications at *axis.com* AXIS Video Hosting System (AVHS) with One-Click Connection ONVIF® Profile G, ONVIF® Profile S, and ONVIF® Profile T, specification at *onvif.org*
Analytics	**Included** AXIS Video Motion Detection, active tampering alarm **Supported** AXIS Digital Autotracking, AXIS Perimeter Defender, AXIS Cross Line Detection, AXIS Guard Suite including AXIS Motion Guard, AXIS Fence Guard, and AXIS Loitering Guard Support for AXIS Camera Application Platform enabling installation of third-party applications, see *axis.com/acap*
Event triggers	Analytics, edge storage events Detectors: live stream accessed, video motion detection, shock detection Hardware: network, temperature Storage: disruption, recording System: system ready Time: recurrence, use schedule
Event actions	Record video: SD card and network share Upload of images or video clips: FTP, SFTP, HTTP, HTTPS, network share and email Pre- and post-alarm video or image buffering for recording or upload Notification: email, HTTP, HTTPS, TCP and SNMP trap Overlay text, day/night mode
Data streaming	Event data
Built-in installation aids	Pixel counter Remote focus and zoom with supplied i-CS lens

General

Casing	IP66-rated, powdercoated aluminum chassis Casing manufactured and certified by Spectrum Camera Solutions, LLC
Sustainability	PVC free
Memory	1 GB RAM, 512 MB Flash
Power	**Camera:** Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 3, typical 5.0 W, max 9.1 W **Heater:** 12–30 V AC/DC, 26 W
Connectors	2 x ¾" NPT cable entries RJ45 10BASE-T/100BASE-TX PoE 2-pin terminal block connector for heater I/O: 4-pin 2.5 mm terminal block for two configurable inputs/outputs (12 V DC output, max. load 50 mA) 3.5 mm mic/line in, 3.5 mm line out
Storage	Pre-installed AXIS Surveillance microSDXC Card 128 GB Support for SD card encryption Support for recording to network-attached storage (NAS) For SD card and NAS recommendations see *axis.com*
Operating conditions	Hazardous location operating temperature: **Zone system:** -50 °C to 60 °C (-58 °F to 140 °F) **Class/Division system:** -40 °C to 60 °C (-40 °F to 140 °F) Humidity 10-100% RH (condensing)
Storage conditions	-40 °C to 65 °C (-40 °F to 149 °F)
Approvals	**EMC** EN 55032 Class A, EN 61000-6-2, EN 61000-3-2, EN 61000-3-3 **Environment** ANSI/NEMA 250 4X, ANSI/IEC/EN 60529 IP66 **Explosion** FM Class 3600:2018, FM Class 3615:2018, FM Class 3616:2011, ANSI/ISA/EN/IEC/CAN-CSAC22.2 60079-0, ANSI/ISA/EN/IEC/CAN-CSAC22.2 60079-1, ANSI/ISA/EN/IEC/CAN-CSAC22.2 60079-31
Certifications	**USA:** Class I Division 1 Groups BCD T6 Ta= -40°C to 60°C, Type 4X, IP66 Class II/III Division 1 Groups EFG Ta= -40°C to 60°C, Type 4X, IP66 **Certificate:** FM18US0262X **Canada:** Class I Division 1 Groups BCD T6 Ta= -50°C to 60°C, Type 4X, IP66 Class II/III Division 1 Groups EFG Ta= -50°C to 60°C, Type 4X, IP66 Class I, Zone 1, AEx/Ex db IIB+H2 T5 Gb Ta = -50°C to 60°C, Type 4X, IP66 Zone 21, AEx/Ex tb IIIC T85°C Db Ta = -50°C to 60°C, Type 4X, IP66 **Certificate:** FM18CA0126X **ATEX:** II 2 G Ex db IIB+H2 T5 Gb Ta = -50°C to 60°C, IP66 II 2 D Ex tb IIIC T85°C Db Ta = -50°C to 60°C, IP66 **Certificate:** FM18ATEX0073X **IECEx:** Ex db IIB+H2 T5 Gb Ta = -50°C to 60°C, IP66 Ex tb IIIC T85°C Db Ta = -50°C to 60°C, IP66 **Certificate:** IECEx FMG 18.0029X
Dimensions	13.85 x 7.20 x 6.01 in (352 x 183 x 153 mm)
Weight	6.4 kg (14 lb)
Included accessories	Installation Guide, Windows® decoder 1-user license, weathershield, 3/4" NPT to M20x1.5 thread adapter, AXIS Surveillance microSDXC Card 128 GB
Optional accessories	Wall Mount, Pole Mount, Corner Mount, AXIS Surveillance Card 64 GB For more accessories, see *axis.com*
Video management software	AXIS Companion, AXIS Camera Station, video management software from Axis Application Development Partners available at *axis.com/vms*
Languages	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese
Warranty	Axis 3-year warranty and AXIS Extended Warranty option, see *axis.com/warranty*

a. *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).*

Environmental responsibility:

axis.com/environmental-responsibility