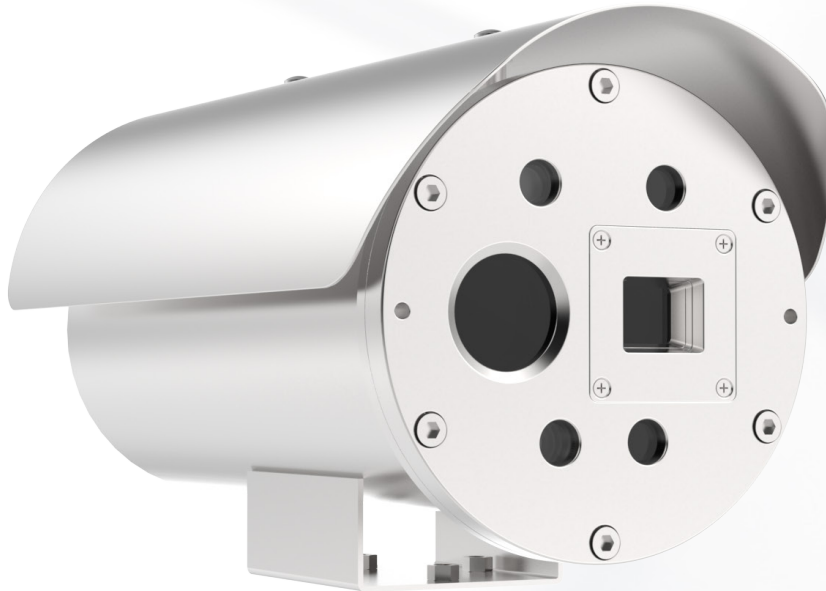


# EXMC100-A

Thermal Network Explosion-proof  
Hybrid Bullet Camera

Explosion-Proof Guarding for Safety



## Introduction

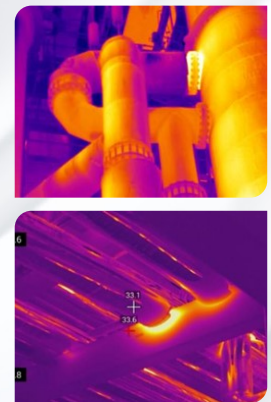
The EXMC100-A Explosion-Proof Optical & Thermal Network Bullet Camera is equipped with a self-developed VOx uncooled infrared detector and a high-definition visible light camera, meeting the 24/7 security monitoring needs. It holds dual explosion-proof certifications, with the sealing performance of the body's joints reaching the IP68 protection level. Applied to oil and gas storage, coal mines, hazardous chemical production and storage, it can operate in gas Zone 1/2 and dust Zone 21/22, contributing to the safety of enterprise production.

## Applications

Suitable for indoor or outdoor small to medium-range scenes such as oil and gas storage, hazardous chemical warehouses, etc., for leakage detection, abnormal temperature monitoring and early warning.

## Features and Benefits

- o Dual Explosion-Proof Certifications of Ex db IIC T6 Gb/Ex tb IIIC T80°C Db
- o Infrared and visible-light dual-light fusion for 24/7 security monitoring
- o Support abnormal temperature alarm, fire detection, remote voice intercom, and various temperature measurement rule settings
- o Option for 304/316/316L stainless steel body, with sealing performance reaching IP68 rating
- o Built-in various intelligent algorithms for human and vehicle filtering identification and perimeter protection
- o Support POE power supply



## Specifications

Product model	EXMC100-A
<b>Thermographic</b>	
Detector type	VOx
Detector resolution	400×300
Pixel size	17μm
Wavelength range	8μm ~ 14μm
NETD	≤40mK@30°C
Lens	9.1mm, 39.5°×30.1° / 13mm, 28.2°×21.3° / 19mm, 19.5°×14.7°
Focusing mode	Focus-free
Pseudo colors	26 pseudo colors: White Hot, Black Hot, Rainbow and so on
<b>Temperature measurement</b>	
Measurement range	Low temperature mode: -20°C to 150°C, high temperature mode: -20°C to 550°C
Measurement accuracy	±2°C or ±2% (whichever is greater)
Target setting	Up to 12 targets (spot, line, rectangle, polygon and circle) can be simultaneously measured at the same time
Measurement function	Cold/ hot spot tracking, Full-screen point temperature measuring, Query and export of information
<b>Visible light</b>	
Sensor type	1/ 2.8" CMOS
Max. resolution	2560x1920
Min. illuminance	Color: 0.001lux @ (F1.5, AGC ON) B/W: 0.0001Lux @ (F1.5, AGC ON)
lens	4mm, 65°×50°; 8mm, 35.4°×26.9°
Fill light	Infrared fill light
Featured features	Visible light gain control, 2D/ 3D noise reduction, Backlight compensation, Wide dynamic, Strong-light photoinhibition, Image flip, Exposure compensation
<b>Image</b>	
Video compression	Switch between three standards H.265, H.264 and MJPEG
Image format	JPEG
Code stream	Visible light: Mainstream: 50Hz: 25fps(2560×1920, 2560×1440, 1920×1080, 1280×720) ; 60Hz: 30fps(2560×1920, 2560×1440, 1920×1080, 1280×720) ; Substream: 50Hz: 25fps(704×576, 352×288); 60Hz: 30fps(704×480, 352×240) ; Thermal imaging: Mainstream: 50Hz: 25fps(1280×1024, 1024×768) ; 60Hz: 30fps(1280×1024, 1024×768); Substream: 50Hz: 25fps(384×288) ; 60Hz: 30fps(384×288)
<b>Protocol and storage</b>	
Network protocol	IPv4/IPv6, HTTP, HTTPS, 802.1x, Qos, FTP, SMTP, UPnP, DNS, DDNS, NTP, RTSP, RTP, TCP, UDP, DHCP, PPPoE, ONVIF
SDK/ API	Open SDK/ API for software integration
Local storage	32G TF card
<b>System function</b>	
Language version	Chinese/ English
Browser	Supported
User management	Max. 20 users with two levels of user accounts (Admin and User)
Fault detection	Network disconnection detection, IP conflict detection, encoder status detection, memory card status detection, storage space detection
Intelligent functions	Tripwire Intrusion, Area Intrusion, Multiple Triggering Rules Linked Actions, Target Filtering, Fire Detection Alarm, Hot Spot Tracking, Smoke Detection, Phone Call Detection, etc.
<b>Hardware interface</b>	
Power interface	PoE+ AC100V-AC220V
Network interface	One 10M/ 100M Ethernet port
Alarm interface	2 input and 2 output
Other interfaces	1-channel RS485, audio 1 in 1 out
<b>Environmental</b>	
Working temperature	-40°C~+60°C
Working humidity	≤90%, non-condensing
Encapsulation	IP68
Certification	3C
<b>Physical</b>	
Size	≤422mm×189mm×170mm
Net weight	≤8kg
Installation mode	Standard bracket

