

TXFTV2-5G SERIES

INNOVATIVE EXPLOSIONPROOF WIRELESS FIXED CAMERA STATION

HAZARDOUS AREA

- **INNOVATIVE PRODUCT, BEST IN CLASS TECHNOLOGY**
- ATEX/IECEX/UKCA/INMETRO/ECAS EX EXPLOSIONPROOF CAMERA FOR HAZARDOUS LOCATIONS
- 5G, 4G LTE WIRELESS CELLULAR
- AISI316L STAINLESS STEEL CONSTRUCTION
- CERTIFICATION TEMPERATURE -60°C +80°C
- 3MP CAMERA, H.265, 40X AUTOFOCUS OPTICAL ZOOM
- EIS ELECTRONIC IMAGE STABILIZER
- EDGE RECORDING
- OPTIONAL WINDOW WIPER
- VERY LOW POWER CONSUMPTION
- EASY MAINTENANCE
- IP66/67/68/69, NEMA 4X
- H2-READY
- CYBER SECURITY FEATURES



TECHNICAL SPECIFICATIONS

GENERAL & MECHANICAL

Dimensions	See dimensions drawings
Operating Temperature	-60° +60°C, +75°C peak (-76°F +140°F, +167°F peak)
Construction	AISI316L Stainless Steel
Finish	Electro-polished
Mounting	4x M5 on 101,6 PCD 4x M6 on 90x130
Cable entries	1x M25 x1,5
Wiper	Optional
Weight	Unit: 13 Kg / Package: 15 Kg (version with wiper)

ELECTRICAL

Temperature Climatization	T[°C] ON = 12 ± 4°C, T[°C] OFF = 20 ± 3°C
Available voltages	24VAC, 120VAC, 230VAC (+/-10%) 24VDC available on request
Power consumption	40W MAX

CERTIFICATIONS

Ingress Protection	EN 60529 (IP66/IP67/IP68/IP69), NEMA 4X
Rating	II 2 G Ex db IIC T6/5/4 Gb -60°C ≤ Tamb ≤ +60/75/80°C II 2 D Ex tb IIIC T85/100/135°C Db -60°C ≤ Tamb ≤ +60/75/80°C
ATEX/UKCA Standards	EN 60079-0; EN 60079-1; EN 60079-31
IECEX Standards	IEC 60079-0; IEC 60079-1; IEC 60079-31
INMETRO Standards	ABNT NBR IEC 60079-0; ABNT NBR IEC 60079-1; ABNT NBR IEC 60079-31
ECAS Ex Standards	UAE.S IEC 60079-0, UAE.S IEC 60079-1, UAE.S IEC 60079-31
EMC	EN 55032; EN 55035; EN/IEC 61000-3-2; EN/IEC 61000-3-3; EN/IEC 61000-6-2; EN/IEC 61000-6-4; CISPR-32; CISPR-35; DIN-CG-0339
LVD	EN/IEC 62368-1
RoHS	2011/65/EU + 2015/863/EU (RoHS 3)
WEEE	2012/19/EU

VIDEO/CAMERA

Sensor	1/2.8" Progressive CMOS, 3MP
Resolution	- Up to 2065x1553, 3MP (H.264/H.265) - Up to 1920x1080, 2MP (MJPEG)
Compression	H.265/H.264/MJPEG
Streaming	Up to 4 configurable streams
Frame Rate	- 2MP: 60fps (WDR off), 30 fps (WDR on) - 3MP: 30fps (H.264/H.265)
Sensitivity	Color: 0.04 lux, B/W: 0.002 lux
Shutter Speed	1 to 1/10000 s
Optical Filter	Automatically removable IR-cut filter
White Balance	Contrast White Balance
Dynamic range	WDR/HDR
Lens	40x Autofocus Optical Zoom, 10x Digital Zoom, 4.3-170mm, F1.6
FOV	Horizontal: 63.7° (Wide), 1.7° (Tele) Vertical: 49.2° (Wide), 1.3° (Tele)
Analytics	Motion Detection/Tampering, intrusion detection, wrong direction, object removal, sabotage, loitering, stopped vehicle, object counting
Image settings	Color, Brightness, Sharpness, Contrast, White Balance, Exposure control, 2D/3D Noise Reduction
Event Triggers	External Input, Analytics, Network Failure Detection, Periodical Event, Manual Trigger
Event Actions	External Output Activation
Edge Recording	Micro SD/SDHC/SDXC (card not provided)
Network Storage	Support for recording to NAS
SNR	>50dB
Noise Reduction	3D Motion Compensated Noise Reduction
Iris	P-Iris, Auto-Iris
Image Stabilization	EIS

NETWORK

Interface	Shared Spectrum (Cellular Wireless) 5G NR SA: n1,n2,n3,n5,n7,n8,n12,n13,n14,n18,n20,n25,n26, n28,n30,n38,n40,n41,n48,n66,n70,n71,n77,n78,n79 4G LTE-FDD: B1,B2,B3,B4,B5,B7,B8,B12,B13,B14,B17,B18,B19, B20,B25,B26,B28,B30,B66,B70,B71 4G LTE-TDD: B34, B38, B39, B40, B41, B42, B43, B48
Security	5G NR (3GPP Release 17) - SIM-based authentication - Encrypted radio link - SUCI Subscription Concealed Identifier - Protected against eavesdropping, tampering, fake base stations Firewall VPN (WireGuard, IPsec, OpenVPN)
ONVIF	ONVIF profile G/S/T/M
Protocols	TCP, UDP, IPv4, IPv6, ICMP, NTP, DNS, HTTP, HTTPS, SFTP, FTP, SMTP, SSL v3, TLS, ARP, VRRP, PPP, PPPoE, UPNP, SSH, DHCP, Telnet, SMPP, SNMP, MQTT, Wake on Lan (WOL), VXLAN

MODELS

TXF1TV2-5G-M	New Generation Explosionproof FIXED 5G/4G camera station 3MP 40x, 24VAC
TXF2TV2-5G-M	New Generation Explosionproof FIXED 5G/4G camera station 3MP 40x, 120VAC
TXF3TV2-5G-M	New Generation Explosionproof FIXED 5G/4G camera station 3MP 40x, 230VAC
TXF1TV2W-5G-M	New Generation Explosionproof FIXED 5G/4G camera station 3MP 40x, wiper, 24VAC
TXF2TV2W-5G-M	New Generation Explosionproof FIXED 5G/4G camera station 3MP 40x, wiper, 120VAC
TXF3TV2W-5G-M	New Generation Explosionproof FIXED 5G/4G camera station 3MP 40x, wiper, 230VAC

- All the above models include sunshield and heater

PRE-ASSEMBLED CABLE TAILS

EXACCT3-A	3 meters armored composite cable tail (power, data) with 2x M25 barrier nickel plated brass glands
EXACCT5-A	5 meters armored composite cable tail (power, data) with 2x M25 barrier nickel plated brass glands
EXACCT10-A	10 meters armored composite cable tail (power, data) with 2x M25 barrier nickel plated brass glands

ACCESSORIES

SSBK-M	Wall mounting bracket
SSPM-M	Pole mount adapter for SSBK-M
SSPTM-M	Top pole mount adapter
SSDM-M	Adapter to pair with IR LED illuminator on a single SSBK-M bracket

DIMENSIONS

