

## TXC-TIXX SERIES

INNOVATIVE EXPLOSIONPROOF NEXT BULLET THERMAL FIXED CAMERA STATION

HAZARDOUS AREA

- **INNOVATIVE PRODUCT, BEST IN CLASS TECHNOLOGY**
- ATEX/IECEX/UKCA/INMETRO EXPLOSIONPROOF CAMERA FOR HAZARDOUS LOCATIONS
- AISI316L STAINLESS STEEL CONSTRUCTION
- CERTIFICATION TEMPERATURE -60°C +75°C
- 640X512 RESOLUTION, 9HZ OR 25HZ, LWIR
- WIDE RANGE OF FIXED LENSES
- GERMANIUM WINDOW
- WALL MOUNT INCLUDED
- EDGE RECORDING
- IP66/67/68/69
- OPTIONAL BUILT-IN FIBER MEDIA CONVERTER
- OPTIONAL BUILT-IN IP OVER COAXIAL CONVERTER
- OPTIONAL BUILT-IN 100-240VAC OR POE POWER SUPPLY
- H2-READY



### TECHNICAL SPECIFICATIONS

#### GENERAL & MECHANICAL

<b>Dimensions</b>	See dimensions drawings
<b>Operating Temperature</b>	-40°C +60°C, +75°C peak (-40°F +140°F, +167°F peak)
<b>Construction</b>	AISI316L Stainless Steel
<b>Finish</b>	Electro-polished
<b>Window</b>	Germanium HC coated 50mm
<b>Mounting</b>	See dimensions drawings
<b>Cable entries</b>	1x M25 x1,5
<b>Wiper</b>	No
<b>Weight</b>	Unit: 7.5 Kg / Package: 9 Kg

#### ELECTRICAL

<b>Temperature Climatization</b>	T[°C] ON = 12 ± 4°C, T[°C] OFF = 20 ± 3°C
<b>Available voltages</b>	24VAC/DC, 100-240VAC (+/-10%), PoE+(802.3at)
<b>Power consumption</b>	• 40W MAX • 25W MAX (PoE+)

#### CERTIFICATIONS

<b>Ingress Protection</b>	EN 60529 (IP66/IP67/IP68/IP69)
<b>Rating</b>	II 2 G Ex db IIC T6/5 Gb -60°C ≤ Tamb ≤ +65/75°C II 2 D Ex tb IIIC T85/100°C Db -60°C ≤ Tamb ≤ +65/75°C
<b>ATEX/UKCA Standards</b>	EN 60079-0; EN 60079-1; EN 60079-31
<b>IECEX Standards</b>	IEC 60079-0; IEC 60079-1; IEC 60079-31
<b>INMETRO Standards</b>	ABNT NBR IEC 60079-0, ABNT NBR IEC 60079-1, ABNT NBR IEC 60079-31
<b>EMC</b>	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
<b>LVD</b>	EN/IEC 62368-1
<b>RoHS</b>	2011/65/EU + 2015/863/EU (RoHS 3)
<b>WEEE</b>	2012/19/EU

#### CAMERA (THERMAL)

<b>Sensor</b>	VOx Microbolometer, 12µm, uncooled
<b>Resolution</b>	640x512 pixels
<b>Spectral Band</b>	LWIR 8-14µm
<b>Compression</b>	H.264, MJPEG
<b>Frame Rate</b>	9Hz (9fps) or 25Hz (25fps)
<b>Focus Settings</b>	Fixed manual focus, minimum focus distance
<b>Sensitivity</b>	≤50mK@25°, F/1.0
<b>Shutter type</b>	NUC
<b>Fire Detection</b>	Yes
<b>Image settings</b>	Black hot, White hot, Color Palette (18 types)
<b>Event Actions</b>	Recording/Capture/Sending mail/PTZ linkage/Alarm output
<b>Analytics</b>	Line intrusion, cross-border, and region intrusion
<b>Alarm Trigger</b>	Network disconnection, IP address conflict, full memory, memory error, illegal access and abnormal detection
<b>Edge Recording</b>	Yes
<b>Gain</b>	- Digital Filter and Imaging Denoising - Digital Detail Enhancement

Lens	FOV (HxV)	Min Focus Distance
	640x512	
9.1mm	48.6°x38.6°, F1.0	0.5m
13mm	32.9°x26.6°, F1.0	0.5m
19mm	22.9°x18.4°, F1.0	0.5m
25mm	17.4°x14.0°, F1.0	1m
35mm	12.5°x10.0°, F1.0	1.5m
55mm	8.6°x6.4°, F1.0	2m

## INNOVATIVE EXPLOSIONPROOF NEXT BULLET THERMAL FIXED CAMERA STATION

### NETWORK

<b>Interface</b>	100BASE-TX or 100BASE-FX/1000BASE-X (fiber)
<b>Security</b>	User Authentication/HTTPS
<b>ONVIF</b>	ONVIF S
<b>Protocols</b>	TCP, UDP, RTP, RTSP, RTCP, HTTP, HTTPS, ICMP, FTP, SMTP, DHCP, IGMP, QoS, NTP, DNS

### FIBER MEDIA CONVERTER

<b>Interface</b>	100 Base-FX/1000BASE-X
<b>Cabling</b>	Singlemode (9/125 μm) /two fibers/SC connector
<b>Maximum Distance</b>	20km
<b>Wavelength</b>	1310 nm

### IP OVER COAXIAL CONVERTER

<b>Interface</b>	10/100 Base-TX over Coaxial Cable
<b>Bandwidth</b>	Up to 95Mbps downlink/uplink
<b>Maximum Distance</b>	1800m
<b>Technology</b>	Broadband over Power Lines (BPL)
<b>Interference Prevention</b>	IEEE 1901-2010 Inter-System Protocol ISP

### MODELS

<b>TXC5Tlxx-IP-L</b>	New Generation Explosionproof COMPACT IP Thermal camera station, wall mount, PoE+
<b>TXC6Tlxx-IP-L</b>	New Generation Explosionproof COMPACT IP Thermal camera station, wall mount, 24VAC/DC
<b>TXC7Tlxx-IP-L</b>	New Generation Explosionproof COMPACT IP Thermal camera station, wall mount, 100-240VAC
<b>TXC6Tlxx-SM-L</b>	New Generation Explosionproof COMPACT IP Thermal camera station , SM FO media converter, wall mount, 24VAC/DC
<b>TXC7Tlxx-SM-L</b>	New Generation Explosionproof COMPACT IP Thermal camera station, SM FO media converter, wall mount, 100-240VAC

- replace "Tlxx" with the number indicated in the table below

- for IP over COAXIAL converter replace the suffix "IP" with "CX". Available with 9.1mm to 25mm lenses only

Camera model selection Tlxx:

### CAMERA MODEL SELECTION (TIXX)

	640x512	
	9Hz	25Hz
9.1mm	TI22	TI32
13mm	TI23	TI33
19mm	TI24	TI34
25mm	TI25	TI35
35mm	TI26	TI36
55mm	TI27	TI37

### PRE-ASSEMBLED CABLE TAILS

<b>EXACCTF3-A</b>	3 meters armored composite cable tail (power, Ethernet, data) with 2x M25 barrier nickel plated brass glands
<b>EXACCTF3-C</b>	3 meters armored composite cable tail (power, data, fiber optic) with 2x M25 barrier nickel plated brass glands. Fiber termination: SC
<b>EXACCTF5-A</b>	5 meters armored composite cable tail (power, Ethernet, data) with 2x M25 barrier nickel plated brass glands
<b>EXACCTF5-C</b>	5 meters armored composite cable tail (power, data, fiber optic) with 2x M25 barrier nickel plated brass glands. Fiber termination: SC
<b>EXACCTF10-A</b>	10 meters armored composite cable tail (power, Ethernet, data) with 2x M25 barrier nickel plated brass glands
<b>EXACCTF10-C</b>	10 meters armored composite cable tail (power, data, fiber optic) with 2x M25 barrier nickel plated brass glands. Fiber termination: SC

### ACCESSORIES

<b>SSPM-S</b>	Pole mount adapter
<b>SSBKCLN-XS</b>	Ceiling mount bracket for TXC Series

## DIMENSIONS

