

TECNOVIDEO

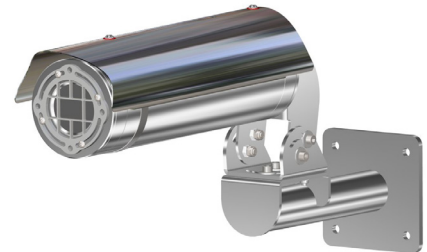
CCTV SYSTEMS AND ACCESSORIES

NEXT COMPACT THERMAL

INNOVATIVE EXPLOSIONPROOF BULLET THERMAL CAMERA

HAZARDOUS AREA

- **INNOVATIVE PRODUCT, BEST IN CLASS TECHNOLOGY**
- ATEX/IECEX/UKCA EXPLOSIONPROOF CAMERA FOR HAZARDOUS LOCATIONS
- AISI316L STAINLESS STEEL CONSTRUCTION
- CERTIFICATION TEMPERATURE -60°C +80°C
- 640X512 RESOLUTION, 9HZ OR 25HZ, LWIR
- WIDE RANGE OF FIXED LENSES
- GERMANIUM WINDOW
- WALL MOUNT INCLUDED
- EDGE RECORDING
- IP66/67
- 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

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

ELECTRICAL

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

CERTIFICATIONS

Ingress Protection	EN 60529 (IP66/IP67/IP68)
Rating	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
ATEX/UKCA Standards	EN 60079-0; EN 60079-1; EN 60079-31
IECEX Standards	IEC 60079-0; IEC 60079-1; 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
LVD	EN/IEC 62368-1
RoHS	2011/65/EU + 2015/863/EU (RoHS 3)
WEEE	2012/19/EU

CAMERA (THERMAL)

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



NETWORK

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

FIBER MEDIA CONVERTER

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

IP OVER COAXIAL CONVERTER

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

MODELS

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

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

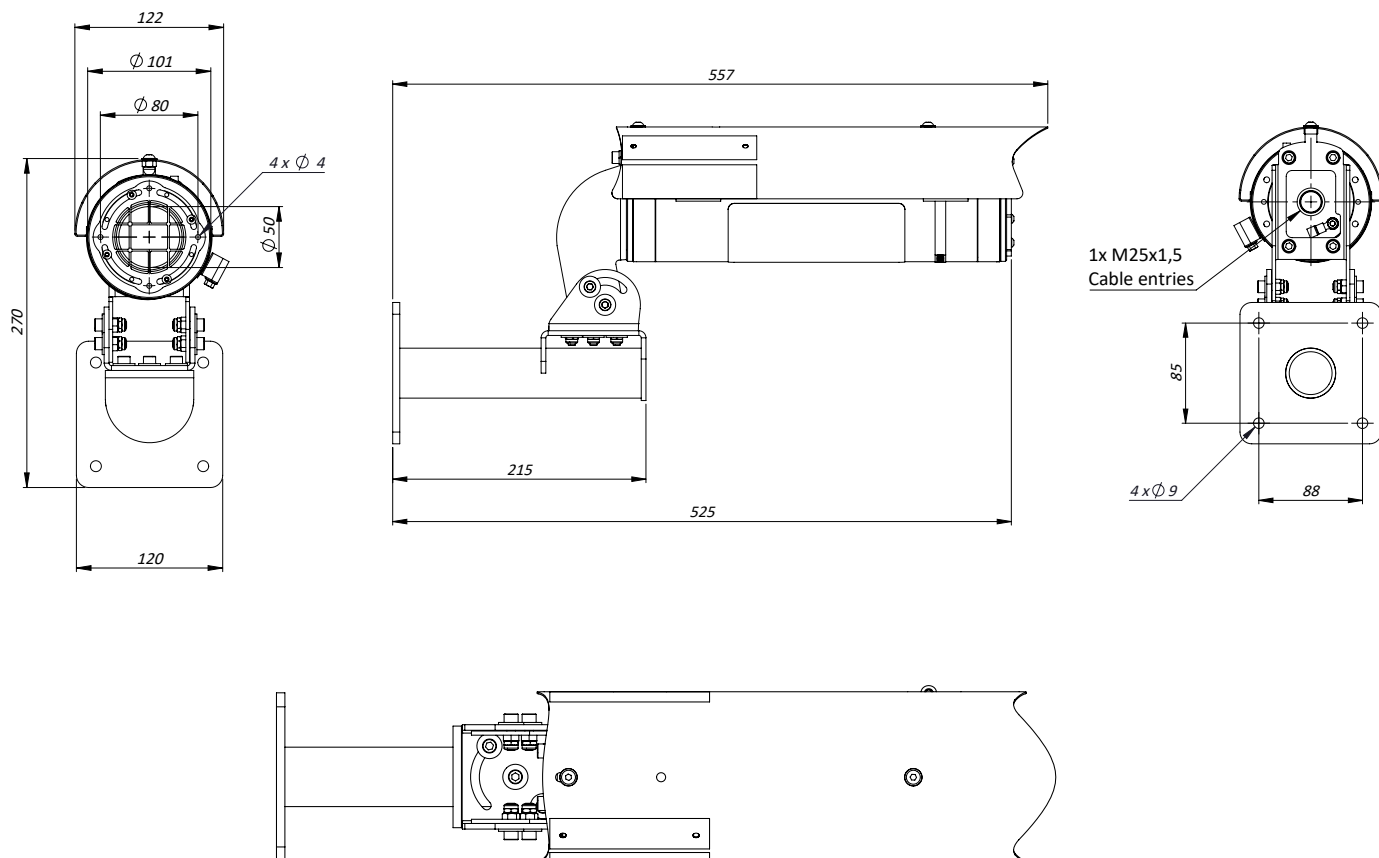
PRE-ASSEMBLED CABLE TAILS

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

ACCESSORIES

SSPM-S	Pole mount adapter
SSBKCLN-XS	Ceiling mount bracket for TXC Series

DIMENSIONS



Dimensions in millimetres - Tolerances according QMS - Design and products specifications subject to change without notice - rev. 20241114