

TECNOVIDEO

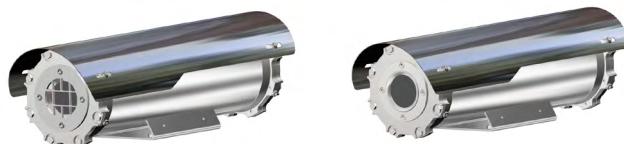
CCTV SYSTEMS AND ACCESSORIES

NEXT FIXED THERMAL

INNOVATIVE EXPLOSIONPROOF THERMAL CAMERA STATION

HAZARDOUS AREA

- **INNOVATIVE PRODUCT, BEST IN CLASS TECHNOLOGY**
- ATEX/IECEX/UKCA/INMETRO EXPLOSIONPROOF THERMAL CAMERA FOR HAZARDOUS LOCATIONS
- AISI316L STAINLESS STEEL CONSTRUCTION
- CERTIFICATION TEMPERATURE -60°C +80°C
- 336X256 OR 640X512 RESOLUTION, 9HZ OR 25HZ, LWIR
- WIDE RANGE OF FIXED LENSES
- GERMANIUM WINDOW
- IP66/67/68/69, NEMA 4X
- OPTIONAL BUILT-IN FIBER MEDIA CONVERTER
- OPTIONAL BUILT-IN IP OVER COAXIAL CONVERTER
- OPTIONAL BUILT-IN 120VAC OR 230VAC POWER SUPPLY
- H2-READY



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
Window	Germanium HC coated 50mm
Mounting	4x M5 on 101,6 PCD 4x M6 on 90x130
Cable entries	2x M25 x1,5
Weight	Unit: 10.5 Kg / Package: 12 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 or PoE available on request
Power consumption	28W 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
Vibrations and Shock	EN/IEC 60068-2-6; EN/IEC 60068-2-27; DNV-CG-0339
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 55035; EN/IEC 61000-6-4; EN/IEC 61000-3-2; EN/IEC 61000-3-3; EN/IEC 61000-6-2; CISPR-32; CISPR-35; DNV-CG-0339
LVD	EN/IEC 62368-1
FCC	FCC part 15B
RoHS	2011/65/EU + 2015/863/EU (RoHS 3)

WEEE	2012/19/EU
INMETRO	ABNT NBR IEC 60079-0; ABNT NBR IEC 60079-1; ABNT NBR IEC 60079-31

CAMERA (THERMAL)

Sensor	VOx Microbolometer, 17µm
Resolution	336x256 or 640x512 pixels
Spectral Band	LWIR 7.5-13.5µm
Compression	H.264 (Baseline Profile / Main Profile / High Profile), H.265, MJPEG
Streaming	Up to three streams
Frame Rate	9Hz (9fps) or 25Hz (25fps)
Focus Settings	Fixed manual focus, minimum focus distance from 2.5cm to 2.3m, depending on models
Sensitivity	<50 mK @ f/1.0
Shutter type	SSN - Silent Shutterless NUC™ for continuous image uniformity improvement

LENS (THERMAL)

	FOV (HxV)	FOV (HxV)
	336x256	640x512
7.5mm	45°x35°, F1.25	90°x69°, F1.4
9mm	35°x27°, F1.25	69°x56°, F1.4
13mm	25°x19°, F1.25	45°x37°, F1.25
19mm	17°x13°, F1.25	32°x26°, F1.25
25mm	13°x10°, F1.1	25°x20°, F1.1
35mm	9.3°x7.1°, F1.2	18°x14°, F1.2
50mm	6.5°x5.0°, F1.2	12.4°x9.9°, F1.2

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INNOVATIVE EXPLOSIONPROOF THERMAL CAMERA STATION

Analytics	Exception detection, intrusion detection, line crossing detection
Edge Recording	microSD, up to 128GB (card not provided)
Gain	DDE Digital Detail Enhancement™/ACE Active Contrast Enhancement™

NETWORK

Interface	10/100 Mbps Ethernet
ONVIF	ONVIF profile S
Protocols	TCP / IP, UDP, DHCP, NTP, RTSP, PPPoE, DDNS, SMTP, FTP

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

TXF2TTxx-IR-IP-M	New Generation Explosionproof FIXED Thermal Camera Station. With front grid, 120VAC
TXF3TTxx-IR-IP-M	New Generation Explosionproof FIXED Thermal Camera Station. With front grid, 230VAC
TXF1TTxx-IR-IP-M	New Generation Explosionproof FIXED Thermal Camera Station. With front grid, 24VAC
TXF2TTxx-IR-SM-M	New Generation Explosionproof FIXED Thermal Camera Station, SM FO media converter. With front grid, 120VAC
TXF3TTxx-IR-SM-M	New Generation Explosionproof FIXED Thermal Camera Station, SM FO media converter. With front grid, 230VAC
TXF1TTxx-IR-SM-M	New Generation Explosionproof FIXED Thermal Camera Station, SM FO media converter. With front grid, 24VAC
TXF2TTxx-IR-CX-M	New Generation Explosionproof FIXED Thermal Camera Station, IP over COAXIAL converter. With front grid, 120VAC
TXF3TTxx-IR-CX-M	New Generation Explosionproof FIXED Thermal Camera Station, IP over COAXIAL converter. With front grid, 230VAC
TXF1TTxx-IR-CX-M	New Generation Explosionproof FIXED Thermal Camera Station, IP over COAXIAL converter. With front grid, 24VAC

(+) Gridless version available on request

To order the required camera configuration, please replace "TTxx" with the TT number indicated in the table below.

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

SSBK-M	Wall mounting bracket
SSPM-M	Pole mount adapter for SSBK-M
SSPTM-M	Top pole mount adapter

CAMERA MODEL SELECTION TTXX

	336x256		640x512	
	9Hz	25Hz	9Hz	25Hz
7.5mm	TT01	TT11	TT21	TT31
9mm	TT02	TT12	TT22	TT32
13mm	TT03	TT13	TT23	TT33
19mm	TT04	TT14	TT24	TT34
25mm	TT05	TT15	TT25	TT35
35mm	TT06	TT16	TT26	TT36
50mm	TT07	TT17	TT27	TT37

DIMENSIONS

