TECNOVIDEO

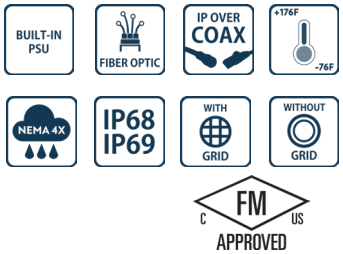
CCTV SYSTEMS AND ACCESSORIES

NEXT FIXED THERMAL

INNOVATIVE EXPLOSIONPROOF HOUSING FOR THERMAL CAMERAS

HAZARDOUS AREA

- **INNOVATIVE PRODUCT, BEST IN CLASS TECHNOLOGY**
- CLASS1/DIV1 EXPLOSIONPROOF THERMAL CAMERA FOR HAZARDOUS LOCATIONS
- AISI316L STAINLESS STEEL CONSTRUCTION
- CERTIFICATION TEMPERATURE -76°F +176°F
- GERMANIUM OR SAPPHIRE WINDOW
- SUITABLE FOR MWIR OR LWIR CAMERAS
- CERTIFIED FOR UNCOOLED AND COOLED THERMAL CAMERAS
- SPECIAL WINDOW TO MINIMIZE NARCISSUS EFFECT AVAILABLE
- GRIDLESS OPTION AVAILABLE (PATENTED)
- IP68/69, NEMA 4X
- OPTIONAL BUILT-IN FIBER MEDIA CONVERTER
- OPTIONAL BUILT-IN IP OVER COAXIAL CONVERTER
- OPTIONAL BUILT-IN 120VAC POWER SUPPLY



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 or Sapphire 50mm
Mounting	4x M5 on 101,6 PCD 4x M6 on 90x130
Cable entries	2xM25x1.5 and 2x 3/4in (adapter)
Weight	Unit: 10lb / Package: 13lb

ELECTRICAL

Temperature Climatization	T[°C] ON = 54 ±7°F (12 ± 4°C) T[°C] OFF = 68°F ± 5°F (20 ± 3°C)
Available voltages	24VAC, 120VAC (+/-10%) 24VDC or PoE available on request
Power consumption	40W MAX

CERTIFICATIONS

Ingress Protection	EN 60529 (IP68/IP69), NEMA 4X
Rating	Class I, Division 1, Groups A, B, C and D T5/T4 -50°C ≤ Tamb ≤ +60°C/80°C (only for Canada) Class I, Division 1, Groups B, C and D T5/T4 -25°C ≤ Tamb ≤ +60°C/80°C (for US/Canada) Class II/III, Division 1, Groups E, F and G T5/T4 -40°C ≤ Tamb ≤ +60°C/80°C (for US/Canada)
Vibrations and Shock	EN/IEC 60068-2-6; EN/IEC 60068-2-27; DNV-CG-0339
North American Standards	FM Class 3615; FM Class 3810; ANSI/UL 61010-1; ANSI/UL 60079-0; ANSI/UL 60079-1; ANSI/ISA 60079-31; ANSI/UL 50E; ANSI/IEC 60529 CSA C22.2 No. 0.4; CSA C22.2 No. 0.5; CAN/CSA C22.2 No. 61010-1; CAN/CSA-C22.2 No. 60079-0; CAN/CSA-C22.2 No. 60079-1; CAN/CSA-C22.2 No. 60079-31; CSA C22.2 No. 94.2; CAN/CSA C22.2 No. 60529
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

FIBER MEDIA CONVERTER

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

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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

TXFUS2-IR-M	New Generation Explosionproof Germanium 50mm Thermal camera housing, MEDIUM size, With front grid, 120VAC
TXFUS6-IR-M	New Generation Explosionproof Germanium 50mm Thermal camera housing, MEDIUM size, With front grid, 24VAC/DC
TXFUS2-IR-L	New Generation Explosionproof Germanium 50mm Thermal camera housing, LONG size, With front grid, 120VAC
TXFUS6-IR-L	New Generation Explosionproof Germanium 50mm Thermal camera housing, LONG size, With front grid, 24VAC/DC

OPTIONS: add xxx at the end:
- if not specified it's Germanium 50mm with grid
- gridless Germanium 50mm option = 001
- gridless Sapphire 50mm option = 003
- gridless window for Narcissus effect, Sapphire = 006
ex. TXF3-IR-M003 = explosion-proof camera housing, MEDIUM size, with sunshield and 230VAC heater.
Sapphire window diameter: 50mm, for 1-5 um IR wavelength range

ACCESSORIES

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

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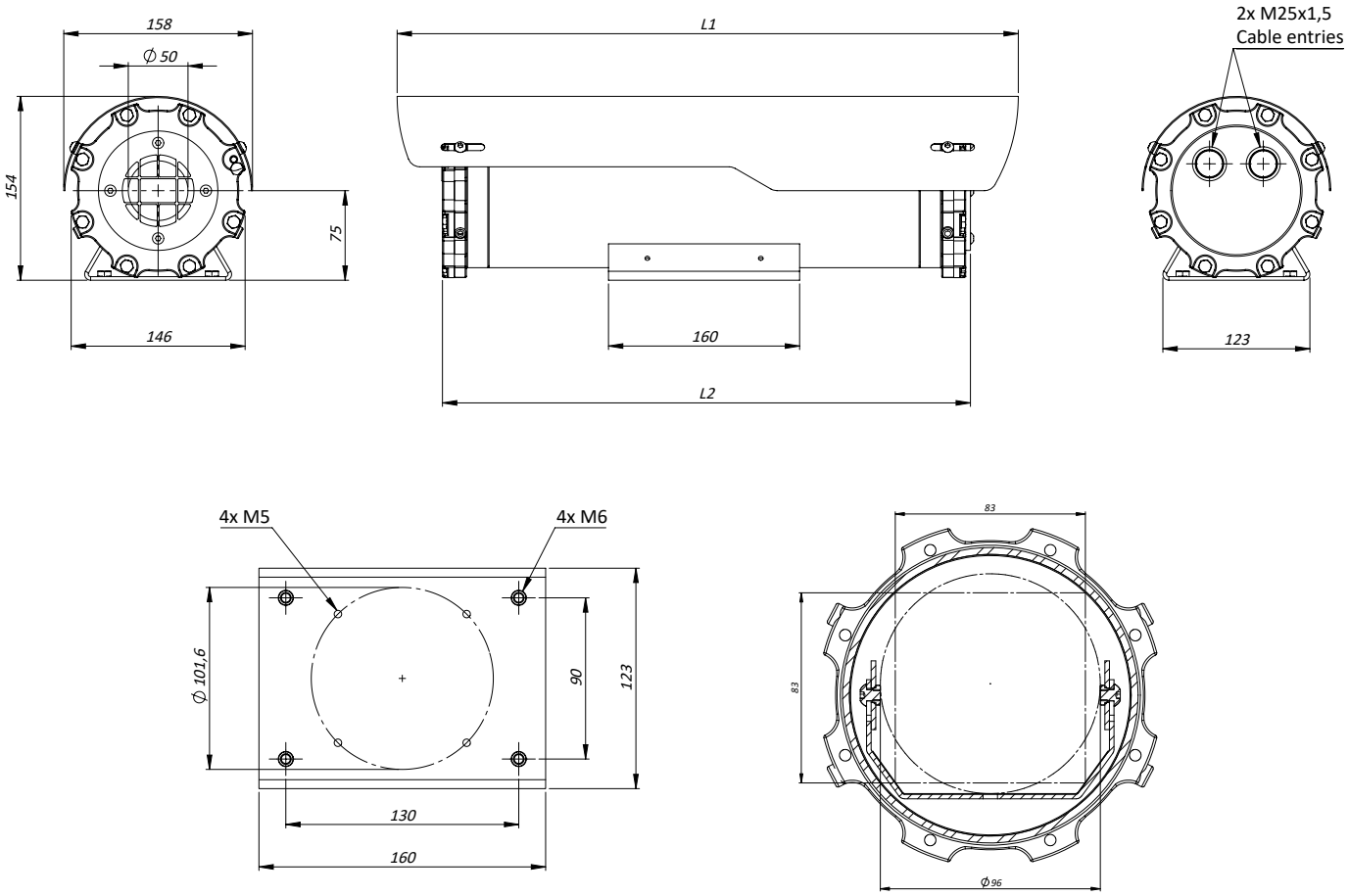
DIMENSIONS



MAX EXTERNAL LENGTH

Model	L1 [mm]	L2 [mm]
TXFUS-IR-M	520	442
TXFUS-IR-L	660	582

MAX INTERNAL USABLE AREA

Model	Max internal dimensions [mm]	Max usable internal diameter [mm]
TXFUS-IR-M	80x80x260	96
TXFUS-IR-L	80x80x398	96

Dimensions in millimetres – Tolerances according QMS – Design and products specifications subject to change without notice – rev. 20240424

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