

TECNOVIDEO

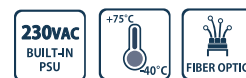
CCTV SYSTEMS AND ACCESSORIES

EXF129IRTTxx SERIES

EXPLOSIONPROOF IP THERMAL CAMERA STATION

HAZARDOUS AREA

- ATEX/IECEX/UKCA/INMETRO CAMERA FOR HAZARDOUS LOCATIONS
- 336x256 OR 640x512 RESOLUTION, 9HZ OR 25HZ, LWIR
- WIDE RANGE OF FIXED LENSES
- AISI316L STAINLESS STEEL CONSTRUCTION
- GERMANIUM WINDOW
- CERTIFICATION TEMPERATURE -40°C +75°C
- OPTIONAL BUILT-IN FIBER MEDIA CONVERTER
- OPTIONAL BUILT-IN 115VAC OR 230VAC POWER SUPPLY



TECHNICAL SPECIFICATIONS

GENERAL & MECHANICAL

Dimensions	See drawings next page
Operating Temperature	-40° +60°C, +75°C peak (-40°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	2x M25x1,5
Weight	Unit: 14,5kg / Gross weight: 15,5kg

ELECTRICAL

Thermostatically controlled heater	T[°C] ON = 12 ± 4°C, T[°C] OFF = 20 ± 3°C
Available voltages	24VAC, 115VAC, 230VAC (+/-10%)
Max power consumption	25W MAX

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

	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°x56°, 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

Analytics	Basic video analytics: line crossing, intrusion detection, exception detection (optional)
Edge Recording	microSD, up to 128GB (card not provided)
Noise Reduction	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

CERTIFICATIONS

Ingress Protection Rating	EN 60529 (IP66/IP67) Ⓜ II 2 G Ex db op pr IIC T6 Gb -40°C ≤ Tamb ≤ +60°C Ⓜ II 2 D Ex tb IIIC T85°C Db -40°C ≤ Tamb ≤ +60°C Ⓜ II 2 G Ex db op pr IIB T5 Gb -40°C ≤ Tamb ≤ +75°C Ⓜ II 2 D Ex tb IIIC T100°C Db -40°C ≤ Tamb ≤ +75°C
ATEX/UKCA Standards	EN 60079-0; EN 60079-1; EN 60079-28; EN 60079-31
IECEX Standards	IEC 60079-0; IEC 60079-1; IEC 60079-28; IEC 60079-31
INMETRO	ABNT NBR IEC 60079-0; ABNT NBR IEC 60079-1; ABNT NBR IEC 60079-28; ABNT NBR IEC 60079-31
EMC	EN 50130-4; EN 55035 ; EN/IEC 61000-6-2 ; EN/IEC 61000-6-4
LVD	EN 60950-1; EN 60950-22
RoHS	2011/65/EU + 2015/863/EU (RoHS 3)
WEEE	2012/19/EU

MODELS

EXF129IRTTxx-C2M/24	Explosionproof IP thermal camera station, MEDIUM size, with front grid, 24VAC
EXF129IRTTxx-C2M/115	Explosionproof IP thermal camera station, MEDIUM size, with front grid, 115VAC
EXF129IRTTxx-C2M/230	Explosionproof IP thermal camera station, MEDIUM size, with front grid, 230VAC
EXF129IRTTxxFO-C2M/24	Explosionproof IP thermal camera station, MEDIUM size, SM FO media converter, with front grid, 24VAC
EXF129IRTTxxFO-C2M/115	Explosionproof IP thermal camera station, MEDIUM size, SM FO media converter, with front grid, 115VAC
EXF129IRTTxxFO-C2M/230	Explosionproof IP thermal camera station, MEDIUM size, SM FO media converter, with front grid, 230VAC

(+) Gridless version available on request

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

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

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EXPLOSIONPROOF IP THERMAL CAMERA STATION

PRE-ASSEMBLED CONDUIT/CABLE TAILS

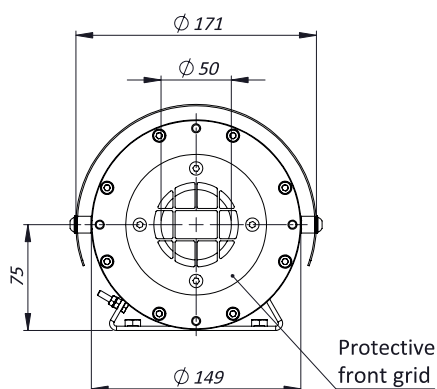
EXACCTF3-A	3 meters armoured composite cable tail (power, Ethernet, data) with 2x M25 barrier nickel plated brass glands
EXACCTF3-C	3 meters armoured composite cable tail (power, data, fiber optic) with 2x M25 barrier nickel plated brass glands. Fiber termination: SC
EXACCTF5-A	5 meters armoured composite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

MOUNTING ACCESSORIES

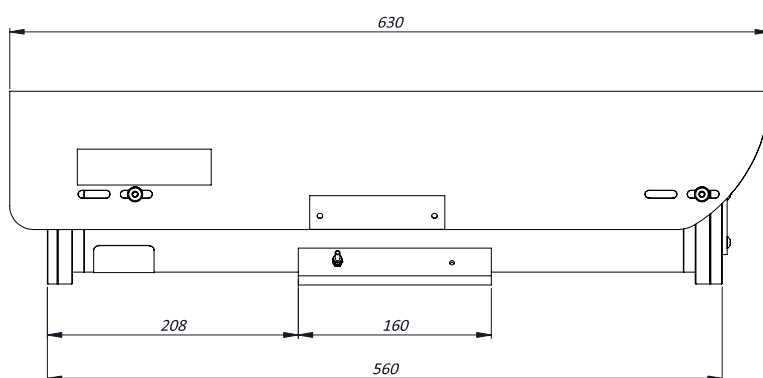
SSBK-M	Wall mounting bracket
SSPM-M	Pole mount adapter for SSBK-M
SSPTM-M	Top pole mount adapter

DIMENSIONS

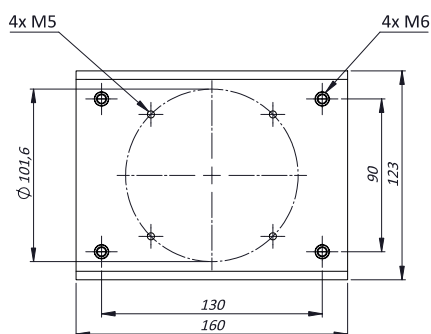
FRONT VIEW



SIDE VIEW



MOUNTING PATTERN



MAX EXTERNAL LENGTH

Model	L1 [mm]	L2 [mm]
EXF129IRTTxx-C2M	510	437