

## EXUSF129IRTTxx SERIES

FLAMEPROOF CAMERA STATION

HAZARDOUS AREA

- CLASS 1 - ZONE 1/CLASS 1 - DIV II HAZARDOUS LOCATION CERTIFIED CAMERA
- 336x256 OR 640x512 RESOLUTION, 9HZ OR 30HZ, 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 120VAC POWER SUPPLY



### TECHNICAL SPECIFICATIONS

#### GENERAL & MECHANICAL

<b>Dimensions</b>	See drawings next page
<b>Operating Temperature</b>	-40°F +140°F, +167°F peak (-40° +60°C, +75°C peak)
<b>Construction</b>	AISI316L Stainless Steel
<b>Finish</b>	Electro-polished
<b>Mounting</b>	4x M5 on 101,6 PCD; 4x M6 on 90x130
<b>Cable entries</b>	2x M25 x1,5 or 3/4in (adapter)
<b>Weight</b>	Unit: 14.5kg (32lb)/ Package: 15,5kg (34.2lb)

#### ELECTRICAL

<b>Thermostatically controlled heater</b>	
<b>T[°C] ON</b>	= 53 ±39°F (12 ± 4°C)
<b>T[°C] OFF</b>	= 68°F ± 37°F (20 ± 3°C)
<b>Available voltages</b>	24VAC, 120VAC (+/-10%)
<b>Max power consumption</b>	25W MAX

#### CAMERA (THERMAL)

<b>Sensor</b>	VOx Microbolometer, 17µm
<b>Resolution</b>	336x256 or 640x512 pixels
<b>Spectral Band</b>	LWIR 7.5-13.5µm
<b>Compression</b>	H.264 (Baseline Profile / Main Profile / High Profile), H.265, MJPEG
<b>Streaming</b>	Up to three streams
<b>Frame Rate</b>	9Hz (9fps) or 30Hz (30fps)
<b>Focus Settings</b>	Fixed manual focus, minimum focus distance from 2.5cm to 2.3m, depending on models
<b>Sensitivity</b>	<50 mK @ f/1.0
<b>Shutter type</b>	SSN - Silent Shutterless NUC™ for continuous image uniformity improvement

#### LENS

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

<b>Analytics</b>	Basic video analytics: line crossing, intrusion detection, exception detection (optional)
<b>Edge Recording</b>	microSD, up to 128GB (card not provided)
<b>Noise Reduction</b>	DDE Digital Detail Enhancement™/ACE Active Contrast Enhancement™

#### NETWORK

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

#### CERTIFICATIONS

<b>Ingress Protection Rating</b>	EN 60529 (IP66/IP67); NEMA 4X Class I, Zone 1, AEx db op pr IIC T6 Gb -40°C ≤ Tamb ≤ +60°C Zone 21, AEx tb IIIC T85°C Db -40°C ≤ Tamb ≤ +55°C Zone 21, AEx tb IIIC T90°C Db -40°C ≤ Tamb ≤ +60°C Class I, Zone 1, AEx db op pr IIB T5 Gb -40°C ≤ Tamb ≤ +75°C Zone 21, AEx tb IIIC T100°C Db -40°C ≤ Tamb ≤ +70°C Zone 21, AEx tb IIIC T105°C Db -40°C ≤ Tamb ≤ +75°C Class I, Div 2, Group A, B, C, D T6 -40°C ≤ Tamb ≤ +60°C * Class I, Div 2, Group C, D T5 -40°C ≤ Tamb ≤ +75°C *
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\* Suitable for Class I Div 2 using Zone 1 wiring methods as permitted per NEC Art. 501

<b>IECEX Standards</b>	IEC 60079-0; IEC 60079-1; IEC 60079-28; IEC 60079-31
<b>EMC</b>	EN 50130-4; EN 55035 ; EN/IEC 61000-6-2 ; EN/IEC 61000-6-4
<b>LVD</b>	EN 60950-1; EN 60950-22
<b>FCC</b>	FCC part 15B
<b>RoHS</b>	2011/65/EU + 2015/863/EU (RoHS 3)
<b>WEEE</b>	2012/19/EU
<b>North America Standards</b>	FM Class 3600; FM Class 3810; ANSI/UL 61010-1; ANSI/UL 60079-0; ANSI/UL 60079-1; ANSI/UL 60079-28; 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. 60079-28; CAN/CSA-C22.2 No. 60079-31; CSA C22.2 No. 94.2; CAN/CSA C22.2 No. 60529

#### MODELS

<b>EXUSF129IRTTxx-C2M/24</b>	Flameproof IP thermal camera station, MEDIUM size, with front grid, 24VAC
<b>EXUSF129IRTTxx-C2M/120</b>	Flameproof IP thermal camera station, MEDIUM size, with front grid, 120VAC
<b>EXUSF129IRTTxxFO-C2M/24</b>	Flameproof IP thermal camera station, MEDIUM size, SM FO media converter, with front grid, 24VAC
<b>EXUSF129IRTTxxFO-C2M/120</b>	Flameproof IP thermal camera station, MEDIUM size, SM FO media converter, with front grid, 120VAC

(+) Gridless version available on request

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

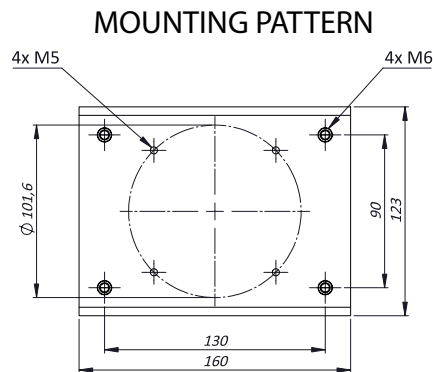
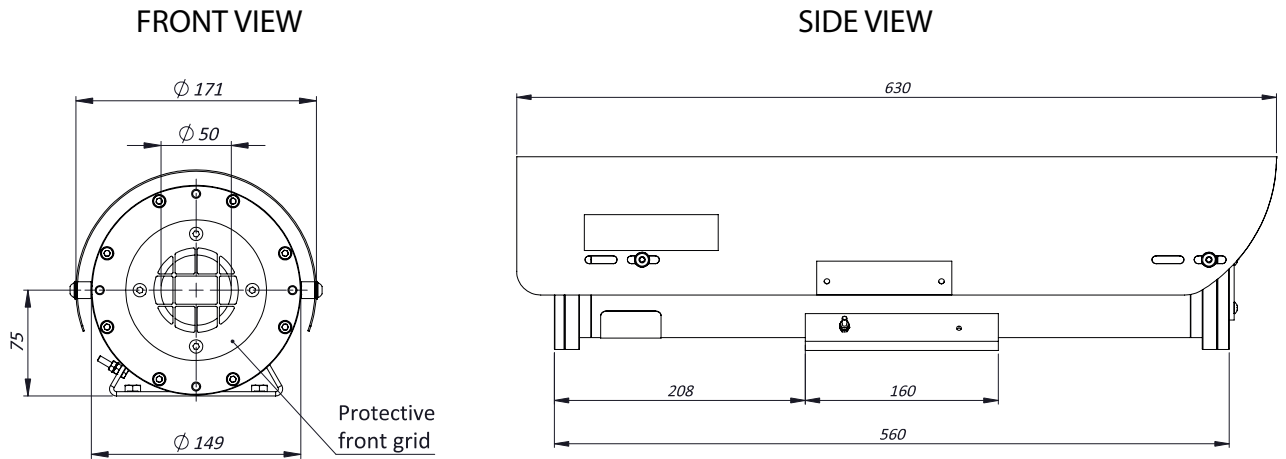
#### CAMERA MODEL SELECTION TTxx

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

## MOUNTING ACCESSORIES

<b>SSBK-M</b>	Wall mounting bracket
<b>SSPM-M</b>	Pole mount adapter for SSBK-M
<b>SSPTM-M</b>	Top pole mount adapter

## DIMENSIONS



## MAX EXTERNAL LENGTH

Model	L1 [mm]	L2 [mm]
EXUSF129IRTTxx-C2M	510 (20in)	437 (17in)