

TECNOVIDEO

CCTV SYSTEMS AND ACCESSORIES

EXUL129IR SERIES

EXPLOSION PROOF HOUSING FOR THERMAL CAMERAS

HAZARDOUS AREA

- UL AND CAN/CSA CERTIFIED CAMERA HOUSING FOR HAZARDOUS LOCATIONS
- AISI316L STAINLESS STEEL CONSTRUCTION
- GERMANIUM OR SAPPHIRE WINDOW VERSION (LWIR or MWIR/SWIR THERMAL CAMERAS)
- GRIDLESS GERMANIUM WINDOW VERSION AVAILABLE (LWIR)
- CERTIFICATION TEMPERATURE -40°F, +167°F
- WEATHERPROOF STANDARD IP66/IP67 AND NEMA 4x
- FOR CUSTOMER SPECIFIED THERMAL CAMERAS
- FOR ANALOG OR IP CAMERAS



TECHNICAL SPECIFICATIONS

GENERAL & MECHANICAL

Dimensions	See drawings next page
Operating Temperature	-40°F +140°F, +167°F peak (-40° +60°C, +75°C peak)
Construction	AISI316L Stainless Steel
Window	Germanium HC coated or Sapphire
Finish	Electro-polished
Mounting	See drawings next page
Cable entries	2x M25x1,5 cable entries

Weight		
Model	Unit [kg/lb]	Package [kg/lb]
EXUL129IR-SW-C2S	11/24	12/26
EXUL129IR-SW-C2M	13/28	14/31
EXUL129IR-SW-C2L	14.5/32	15.5/34
EXUL129IR-C2S/EXUL129IRS-C2S	10/22	11/24
EXUL129IR-C2M/EXUL129IRS-C2M	12/26	13/28
EXUL129IR-C2L/EXUL129IRS-C2L	13.5/30	14.5/32

ELECTRICAL

Thermostatically controlled heater
T[°C] ON = 53 ± 39°F (12 ± 4°C) T[°C] OFF = 68°F ± 37°F (20 ± 3°C)

Available voltages	24VAC, 120VAC (+/-10%)
Max power consumption	25W

CERTIFICATIONS

Ingress Protection Rating	EN 60529 (IP66/IP67), NEMA 4x Class I, Zone 1, AEx db IIC T6 Gb -40°C ≤ Ta ≤ +60°C Ex db IIC T6 Gb X -40°C ≤ Ta ≤ +60°C Class I, Zone 1, AEx db IIB T5 Gb -40°C ≤ Ta ≤ +75°C Ex db IIB T5 Gb X -40°C ≤ Ta ≤ +75°C Class I, Div 2, Group A B C D T6 -40°C ≤ Ta ≤ +60°C Class I, Div 2, Group B C D T5 -40°C ≤ Ta ≤ +75°
North American Standards	UL 60950-1-07; UL 60079-0; UL 60079-1; CAN/CSA C22.2 No. 60950-1-07; CAN/CSA C22.2 No. 60079-0; CAN/CSA C22.2 No. 60079-1 IEC 60079-0; IEC 60079-1; IEC 60079-28; IEC 60079-31 EN 50130-4; EN 55035 ; EN/IEC 61000-6-2 ; EN/IEC 61000-6-4 EN 60950-1; EN 60950-22 FCC part 15B 2011/65/EU + 2015/863/EU (RoHS 3) 2012/19/EU
IECEX Standards	
EMC	
LVD	
FCC	
RoHS	
WEEE	

MODELS

EXUL129IR-C2S/24 ¹	Fixed Class/Zone camera housing, SHORT size, Germanium window with protective grid, 24VAC/DC heater
EXUL129IR-C2M/24 ¹	Fixed Class/Zone camera housing, MEDIUM size Germanium window with protective grid, 24VAC/DC heater
EXUL129IR-C2L/24 ¹	Fixed Class/Zone camera housing, LONG size Germanium window with protective grid, 24VAC/DC heater
EXUL129IRS-C2S/24 ²	Fixed Class/Zone camera housing, SHORT size, Sapphire window with protective grid for MWIR thermal cameras, 24VAC/DC heater
EXUL129IRS-C2M/24 ²	Fixed Class/Zone camera housing, MEDIUM size Sapphire window with protective grid for MWIR thermal cameras, 24VAC/DC heater
EXUL129IRS-C2L/24 ²	Fixed Class/Zone camera housing, LONG size, Sapphire window with protective grid for MWIR thermal cameras, 24VAC/DC C heater
EXUL129IR-SW-C2S/24 ^{3*}	Fixed Class/Zone camera housing, SHORT size, Gridless Germanium window, 24VAC/DC heater
EXUL129IR-SW-C2M/24 ^{3*}	Fixed Class/Zone camera housing, MEDIUM size, Gridless Germanium window, 24VAC/DC heater
EXUL129IR-SW-C2L/24 ^{3*}	Fixed Class/Zone camera housing, LONG size, Gridless Germanium window, 24VAC/DC heater

24VAC models. Suffix /230 is used for 230VAC models. All models include sunshield and heater

1	Usable front window diameter: 50 mm (Germanium with Hard Carbon Coating)
2	Usable front window diameter: 50 mm (Sapphire)
3	Usable front window diameter: 50 mm (GRIDLESS Germanium with Hard Carbon Coating)

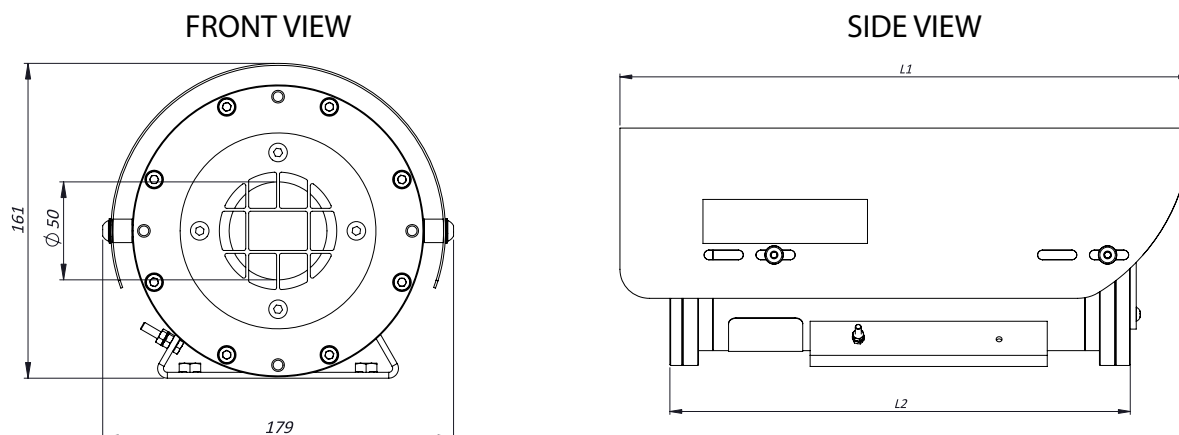
*Gridless version patented by TECNOVIDEO

Available upon request: Built-in Single mode Fiber Optic media converter

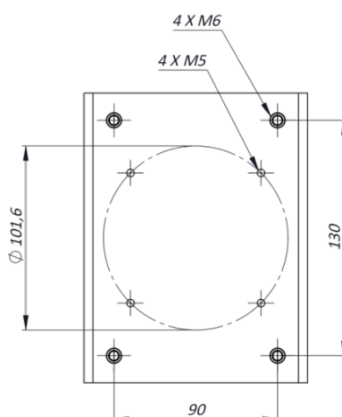
MOUNTING ACCESSORIES

SSBK-M	AISI316L wall mounting bracket
SSPM-M	AISI316L pole mount adapter for SSBK-M
SSPTM-M	AISI316L top pole mount adapter
CRK01	Connection kit (2xM25 to 3/4" NPT adapters + 1xM25 plug) for EXUL129 series

EXUL129IR DIMENSIONS



MOUNTING PATTERN



MAX EXTERNAL LENGTH

Model	L1 [mm]	L2 [mm]
EXUL129IR-C2S/EXUL129IRS-C2S	385	311
EXUL129IR-C2M/EXUL129IRS-C2M	510	434
EXUL129IR-C2L/EXUL129IRS-C2L	630	557

MAX INTERNAL USABLE AREA

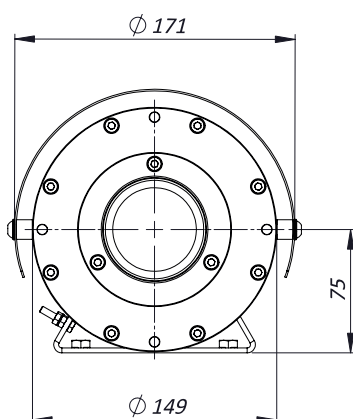
Model	Max internal dimensions [mm]	Max usable internal diameter [mm]
EXUL129IR-C2S/EXUL129IRS-C2S	80x80x160	95
EXUL129IR-C2M/EXUL129IRS-C2M	80x80x283	95
EXUL129IR-C2L/EXUL129IRS-C2L	80x80x406	95

Please contact us if bigger cameras/zoom lenses are needed.

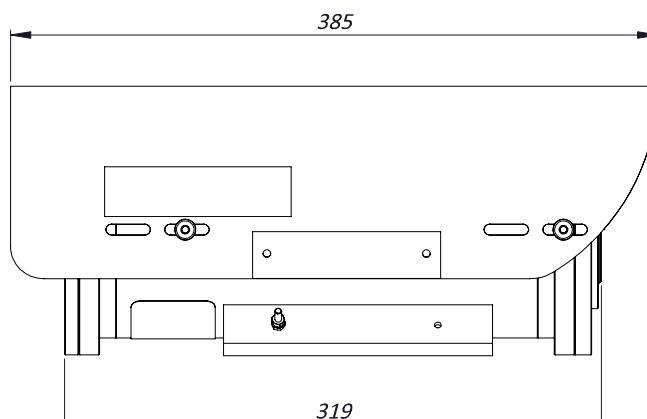
Please contact us in case the camera dimensions are near to the max internal usable dimension in order to develop a custom fitting solution.

EXUL129IR-SW DIMENSIONS

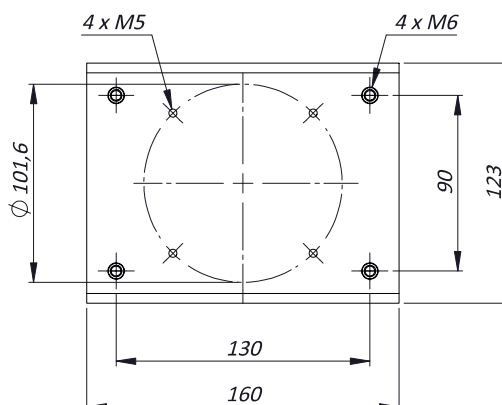
FRONT VIEW



SIDE VIEW



MOUNTING PATTERN



MAX EXTERNAL LENGTH

Model	L1 [mm]	L2 [mm]
EXUL129IR-SW-C2S	385	319
EXUL129IR-SW-C2M	510	442
EXUL129IR-SW-C2L	630	565

MAX INTERNAL USABLE AREA

Model	Max internal dimensions [mm]	Max usable internal diameter [mm]
EXUL129IR-SW-C2S	80x80x162	95
EXUL129IR-SW-C2M	80x80x285	95
EXUL129IR-SW-C2L	80x80x408	95

Please contact us if bigger cameras/zoom lenses are needed.

Please contact us in case the camera dimensions are near to the max internal usable dimension in order to develop a custom fitting solution.