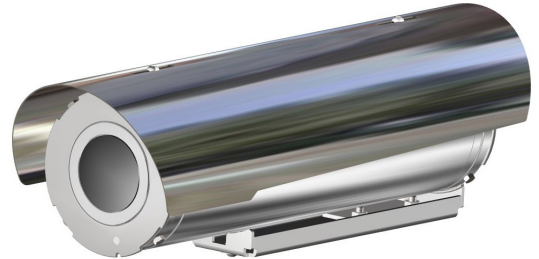


## TSFIR SERIES

INNOVATIVE STAINLESS STEEL INNO THERMAL FIXED CAMERA HOUSING

SAFE AREA

- **INNOVATIVE PRODUCT, BEST IN CLASS TECHNOLOGY**
- AISI316L STAINLESS STEEL CONSTRUCTION
- GERMANIUM OR SAPPHIRE WINDOW
- SUITABLE FOR MWIR OR LWIR CAMERAS
- SUITABLE FOR UNCOOLED AND COOLED THERMAL CAMERAS
- IP66/67
- OPTIONAL BUILT-IN FIBER MEDIA CONVERTER
- OPTIONAL BUILT-IN IP OVER COAXIAL CONVERTER
- OPTIONAL BUILT-IN 120VAC OR 230VAC POWER SUPPLY



## TECHNICAL SPECIFICATIONS

### GENERAL & MECHANICAL

<b>Dimensions</b>	See dimensions drawings
<b>Operating Temperature</b>	-60°C+60°C, +75°C peak (-40°F +140°F, +167°F peak)
<b>Construction</b>	AISI316L Stainless Steel
<b>Finish</b>	Electro-polished
<b>Window</b>	Germanium HC coated 75mm or Sapphire 75mm
<b>Mounting</b>	2x M6, centre to centre 63.5mm
<b>Cable entries</b>	2x M20 x1,5, nickel plated brass cable glands included
<b>Weight</b>	Unit: 5 Kg / Package: 6.5 Kg

### ELECTRICAL

<b>Temperature Climatization</b>	T[°C] ON = 12 ± 4°C, T[°C] OFF = 20 ± 3°C
<b>Available voltages</b>	24VAC, 120VAC, 230VAC (+/-10%) PoE available on request
<b>Power consumption</b>	40W MAX

### CERTIFICATIONS

<b>Ingress Protection</b>	EN 60529 (IP66/IP67)
<b>EMC</b>	EN 55032; EN 55035; EN/IEC 61000-3-2; EN/IEC 61000-3-3; EN/IEC 61000-6-2; EN/IEC 61000-6-4; CISPR-32; CISPR-35
<b>LVD</b>	EN/IEC 62368-1
<b>RoHS</b>	2011/65/EU + 2015/863/EU (RoHS 3)
<b>WEEE</b>	2012/19/EU

### FIBER MEDIA CONVERTER

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

### IP OVER COAXIAL CONVERTER

<b>Interface</b>	10/100 Base-TX over Coaxial Cable
<b>Bandwidth</b>	Up to 95Mbps downlink/uplink
<b>Maximum Distance</b>	1800m
<b>Technology</b>	Broadband over Power Lines (BPL)
<b>Interference Prevention</b>	IEEE 1901-2010 Inter-System Protocol ISP

### MODELS

<b>TSF2-IR-M</b>	New Generation stainless steel Thermal camera housing, MEDIUM size, 120VAC
<b>TSF3-IR-M</b>	New Generation stainless steel Thermal camera housing, MEDIUM size,, 230VAC
<b>TSF6-IR-M</b>	New Generation stainless steel Thermal camera housing, MEDIUM size, 24VAC/DC
<b>TSF2-IR-L</b>	New Generation stainless steel Thermal camera housing, LONG size, 120VAC
<b>TSF3-IR-L</b>	New Generation stainless steel Thermal camera housing, LONG size, 230VAC
<b>TSF6-IR-L</b>	New Generation stainless steel Thermal camera housing, LONG size, 24VAC/DC

- All the above models include sunshield, heater and a 75mm Germanium window.

- For the versions with Sapphire window (1-5um IR wavelength range), please add suffix -007 to the model name. Example: TSF2-IR-M-007.

- Built-in Fiber media converter or Ethernet over Coaxial converter available upon request.

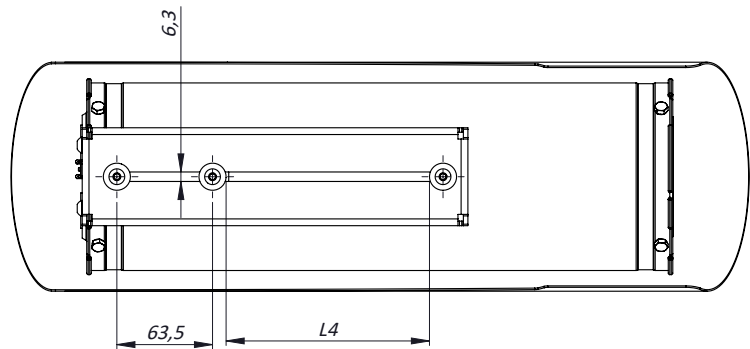
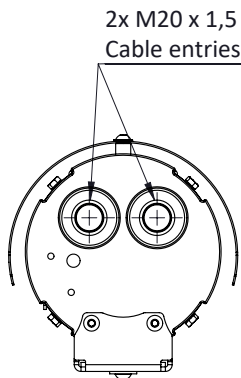
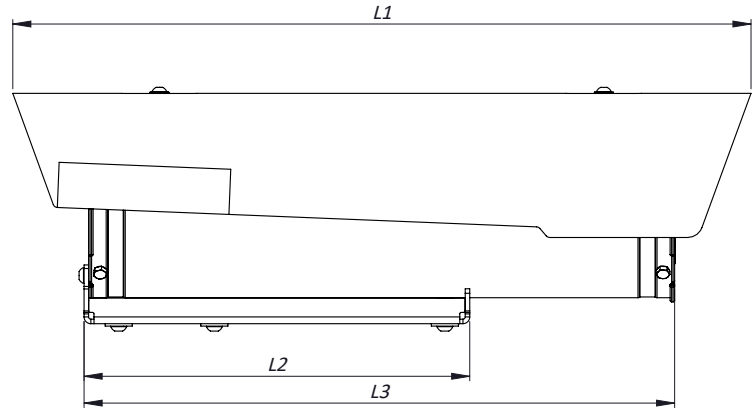
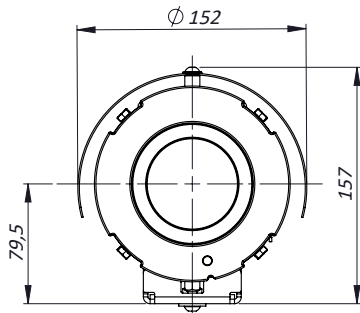
**PRE-ASSEMBLED CABLE TAILS**

<b>SAUCCT3-A</b>	3 meters composite cable tail (power, CAT6A, data) with two M20 nickel-plated brass glands.
<b>SAUCCTF3-C</b>	3 meters composite cable tail (power, data, fiber optic) with two M20 nickel-plated brass glands. Fiber termination: SC.
<b>SAUCCT5-A</b>	5 meters composite cable tail (power, CAT6A, data) with two M20 nickel-plated brass glands.
<b>SAUCCTF5-C</b>	5 meters composite cable tail (power, data, fiber optic) with two M20 nickel-plated brass glands. Fiber termination: SC.
<b>SAUCCT10-A</b>	10 meters composite cable tail (power, CAT6A, data) with two M20 nickel-plated brass glands.
<b>SAUCCTF10-C</b>	10 meters composite cable tail (power, data, fiber optic) with two M20 nickel-plated brass glands. Fiber termination: SC.

**ACCESSORIES**

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

## DIMENSIONS



### MAX EXTERNAL LENGTH

Model	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]
TSFIR-M	490	256	392	135
TSFIR-L	590	356	492	235

### MAX INTERNAL USABLE AREA

Model	Max internal dimensions [mm]	Max usable internal diameter [mm]
TSFIR-M	80x80x250	96
TSFIR-L	80x80x350	96