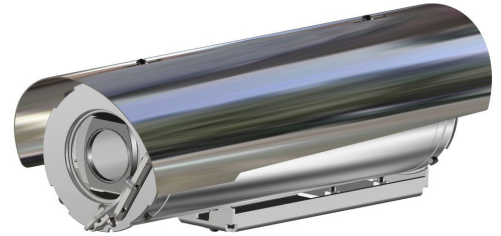


## INNO FIXED 3MP

INNOVATIVE STAINLESS STEEL CAMERA STATION

SAFE AREA

- **INNOVATIVE PRODUCT, BEST IN CLASS TECHNOLOGY**
- AISI316L STAINLESS STEEL CONSTRUCTION
- OPERATING TEMPERATURE -60°C +60°C (+75°C PEAK)
- 3MP CAMERA, H.265, 33X AUTOFOCUS OPTICAL ZOOM
- EIS ELECTRONIC IMAGE STABILIZER
- EDGE RECORDING
- OPTIONAL WINDOW WIPER
- IP66/67/68/69, NEMA 4X
- OPTIONAL BUILT-IN FIBER MEDIA CONVERTER
- OPTIONAL BUILT-IN IP OVER COAXIAL CONVERTER
- OPTIONAL BUILT-IN 120VAC OR 230VAC POWER SUPPLY
- CYBER SECURITY FEATURES
- NDAA COMPLIANT



## TECHNICAL SPECIFICATIONS

### GENERAL & MECHANICAL

<b>Dimensions</b>	See dimensions drawings
<b>Operating Temperature</b>	-60° +60°C, +75°C peak (-76°F +140°F, +167°F peak)
<b>Construction</b>	AISI316L Stainless Steel
<b>Finish</b>	Electro-polished
<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>Wiper</b>	Optional
<b>Weight</b>	Unit: 5 Kg / Package: 6.5 Kg (version with wiper)

### 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%) 24VDC or PoE available on request
<b>Power consumption</b>	40W MAX

### CERTIFICATIONS

<b>Ingress Protection</b>	EN 60529 (IP66/IP67/IP68/IP69), NEMA 4X
<b>Vibrations and Shock</b>	EN/IEC 60068-2-6; EN/IEC 60068-2-27; DNV-CG-0339
<b>EMC</b>	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
<b>LVD</b>	EN/IEC 62368-1
<b>FCC</b>	FCC part 15B
<b>RoHS</b>	2011/65/EU + 2015/863/EU (RoHS 3)
<b>WEEE</b>	2012/19/EU

### VIDEO/CAMERA

<b>Sensor</b>	1/2.8" Progressive CMOS, 3MP
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<b>Resolution</b>	Up to 2065x1553 (3MP)
<b>Compression</b>	H.265/H.264/MJPEG
<b>Streaming</b>	Up to 4 configurable streams
<b>Frame Rate</b>	60fps (WDR off), 30 fps (WDR on)
<b>Sensitivity</b>	Color: 0.04 lux, B/W: 0.002 lux
<b>Shutter Speed</b>	1 to 1/10000 s
<b>Optical Filter</b>	Automatically removable IR-cut filter
<b>White Balance</b>	Contrast White Balance
<b>Dynamic range</b>	WDR/HDR
<b>Lens</b>	33x Autofocus Optical Zoom, 10x Digital Zoom, 4.6-152mm, F1.6
<b>Analytics</b>	Motion Detection/Tampering. OPTIONAL: intrusion detection, wrong direction, object removal, sabotage, loitering, stopped vehicle, object counting
<b>Image settings</b>	Color, Brightness, Sharpness, Contrast, White Balance, Exposure control, 2D/3D Noise Reduction
<b>Event Triggers</b>	External Input, Analytics, Network Failure Detection, Periodical Event, Manual Trigger
<b>Event Actions</b>	External Output Activation
<b>Edge Recording</b>	Micro SD/SDHC/SDXC (card not provided)
<b>Network Storage</b>	Support for recording to NAS
<b>SNR</b>	>50dB
<b>Noise Reduction</b>	3D Motion Compensated Noise Reduction
<b>Iris</b>	P-Iris, Auto-Iris
<b>Image Stabilization</b>	EIS

### NETWORK

<b>Interface</b>	100BASE-TX or 100BASE-FX/1000BASE-X (fiber)
<b>Security</b>	User Authentication/ HTTPS/ IP Filter/ IEEE 802.1x/ SNMPv3

## INNOVATIVE STAINLESS STEEL CAMERA STATION

<b>ONVIF</b>	ONVIF profile G/S/T/M compliant
<b>Protocols</b>	IPv4/v6, TCP, UDP, RTP, RTSP, HTTP, HTTPS, ICMP, FTP, SMTP, DHCP, PPPoE, UPnP, IGMP, SNMP, QoS, ARP, NTP

### 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>	Interface
<b>Bandwidth</b>	Bandwidth
<b>Maximum Distance</b>	Maximum Distance
<b>Technology</b>	Technology
<b>Interference Prevention</b>	Interference Prevention

### MODELS

<b>TSF1TV2-IP-M</b>	New Generation Stainless Steel FIXED IP camera station 3MP 33x, 24VAC
<b>TSF2TV2-IP-M</b>	New Generation Stainless Steel FIXED IP camera station 3MP 33x, 120VAC
<b>TSF3TV2-IP-M</b>	New Generation Stainless Steel FIXED IP camera station 3MP 33x, 230VAC
<b>TSF1TV2-SM-M</b>	New Generation Stainless Steel FIXED IP camera station 3MP 33x, with SM FO media converter, 24VAC
<b>TSF2TV2-SM-M</b>	New Generation Stainless Steel FIXED IP camera station 3MP 33x, with SM FO media converter, 120VAC
<b>TSF3TV2-SM-M</b>	New Generation Stainless Steel FIXED IP camera station 3MP 33x, with SM FO media converter, 230VAC
<b>TSF1TV2W-IP-M</b>	New Generation Stainless Steel FIXED IP camera station 3MP 33x, wiper, 24VAC
<b>TSF2TV2W-IP-M</b>	New Generation Stainless Steel FIXED IP camera station 3MP 33x, wiper, 120VAC
<b>TSF3TV2W-IP-M</b>	New Generation Stainless Steel FIXED IP camera station 3MP 33x, wiper, 230VAC
<b>TSF1TV2W-SM-M</b>	New Generation Stainless Steel FIXED IP camera station 3MP 33x, wiper and SM FO media converter, 24VAC
<b>TSF2TV2W-SM-M</b>	New Generation Stainless Steel FIXED IP camera station 3MP 33x, wiper and SM FO media converter, 120VAC
<b>TSF3TV2W-SM-M</b>	New Generation Stainless Steel FIXED IP camera station 3MP 33x, wiper and SM FO media converter, 230VAC

- for fiber media converter replace the suffix ""IP"" with ""SM""  
 - for IP over COAXIAL converter replace the suffix ""IP"" with ""CX""  
 - All the above models include sunshield and heater

### PRE-ASSEMBLED CABLE TAILS

<b>SAUCCT3-A</b>	3 meters composite cable tail (power, CAT6A, data) with two M20 nickel-plated brass glands. For FIXED camera
<b>SAUCCTF3-C</b>	3 meters composite cable tail (power, data, fiber optic) with two M20 nickel-plated brass glands. Fiber termination: SC. For FIXED camera

<b>SAUCT5-A</b>	5 meters composite cable tail (power, CAT6A, data) with two M20 nickel-plated brass glands. For FIXED camera
<b>SAUCTF5-C</b>	5 meters composite cable tail (power, data, fiber optic) with two M20 nickel-plated brass glands. Fiber termination: SC. For FIXED camera
<b>SAUCT10-A</b>	10 meters composite cable tail (power, CAT6A, data) with two M20 nickel-plated brass glands. For FIXED camera
<b>SAUCTF10-C</b>	10 meters composite cable tail (power, data, fiber optic) with two M20 nickel-plated brass glands. Fiber termination: SC. For FIXED camera

### 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

