TECNOVIDEO
CCTV SYSTEMS AND ACCESSORIES

INNO

TSFTV10-LED SERIES
INNOVATIVE STAINLESS STEEL CAMERA STATION WITH IR ILLUMINATOR

SAFE AREA

- **INNOVATIVE PRODUCT, BEST IN CLASS TECHNOLOGY**
- AISI316L STAINLESS STEEL CONSTRUCTION
- OPERATING TEMPERATURE -40°C +60°C (+75°C PEAK)
- 5MP CAMERA, H.265, 2.7-12MM MOTORIZED VARIFOCAL
- INTEGRATED IR LED ILLUMINATOR
- EDGE RECORDING
- OPTIONAL WINDOW WIPER
- IP66/67
- 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

5MP MEGAPIXEL | **IR** ILLUMINATOR | **H.265** | SD | TECNOVIDEO **IP CAMERA** | **2.7-12mm** VARIFOCAL LENS

BUILT-IN PSU | | FIBER OPTIC | **IP OVER COAX** | **IP66 IP67** | +75°C -40°C

ONVIF®

TECHNICAL SPECIFICATIONS

GENERAL & MECHANICAL

Dimensions	See dimensions drawings
Operating Temperature	-40° +60°C, +75°C peak (-40°F +140°F, +167°F peak)
Construction	AISI316L Stainless Steel
Finish	Electro-polished
Mounting	2x M6, centre to centre 63.5mm
Cable entries	2x M20 x1,5, nickel plated brass cable glands
Wiper	Optional
Weight	Unit: 5 Kg / Package: 6.5 Kg (version with wiper)

ELECTRICAL

Thermostatically controlled heater	T[°C] ON = 12 ± 4°C, T[°C] OFF = 20 ± 3°C
Available voltages	24VAC, 120VAC, 230VAC (+/-10%) 24VDC or PoE available on request
Power consumption	40W MAX

CERTIFICATIONS

Ingress Protection	EN 60529 (IP66/IP67)
IK Classification	IK10 on all sides except for the front glass
EMC	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
LVD	EN/IEC 62368-1
RoHS	2011/65/EU + 2015/863/EU (RoHS 3)
WEEE	2012/19/EU

VIDEO/CAMERA

Sensor	1/2.7" Progressive CMOS, 5MP
Resolution	- Up to 2720x1976, 5MP (H.264/H.265) - Up to 1920x1080, 2MP (MJPEG)
Compression	H.265/H.264/MJPEG
Streaming	Up to 4 configurable streams
Frame Rate	- 2MP: 60fps (WDR off), 30 fps (WDR on) - 5MP: 30fps (H.264/H.265)
Sensitivity	Color: 0.11 lux, B/W: 0.023 lux
Shutter Speed	1~1/10000 s
Optical Filter	Automatically removable IR-cut filter
White Balance	Contrast White Balance
Dynamic range	WDR/HDR
Lens	2.7-12mm Motorized Varifocal, 10x Digital Zoom, F1.6
FOV	Horizontal: 102.1^0 (Wide), 31.5^0 (Tele) Vertical: 70.3^0 (Wide), 22.7^0 (Tele)
Analytics	Motion Detection/Tampering OPTIONAL: Face Detection/Tracking/Recognition, LPR Detection/Recognition, People Counting, Human/Vehicle Classification, Object Classification/Recognition
Image settings	Color, Brightness, Sharpness, Contrast White Balance, Exposure Control 2DNR, 3DNR, NR by Motion Masking, Text Overlay
Event Triggers	External Input, Analytics, Network Failure Detection, Periodical Event, Manual Trigger
Event Actions	External output Activation Video recording to edge storage File Upload : FTP, network share and email Notification : HTTP, FTP, email
Edge Recording	microSD/microSDHC/microSDXC card (card not provided)
Network Storage	Support for recording to NAS
SNR	>50dB
Noise Reduction	2D/3D, NR by motion
Iris	P-Iris

NETWORK

Interface	100BASE-TX or 100BASE-FX/1000BASE-X (fiber)
Security	User Authentication/ HTTPS/ IP Filter/ IEEE 802.1x/ SNMPv3
ONVIF	ONVIF profile S/T/G/M
Protocols	ARP, PPPoE, IPv4/v6, ICMP, IGMP, QoS, TCP, UDP, DHCP, UPnP, SNMP, SMTP, RTP, RTSP, HTTP, HTTPS, FTP, NTP, DDNS

LED ILLUMINATOR

LED	5 x SMD LED
IR Distance	30mt
Wavelength	850nm

FIBER MEDIA CONVERTER

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

IP OVER COAXIAL CONVERTER

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

MODELS

TSF1TV10-LED-IP-M	New Generation Stainless Steel FIXED IP 5MP 2.7-12mm camera station, with IR LED illuminator, 24VAC
TSF2TV10-LED-IP-M	New Generation Stainless Steel FIXED IP 5MP 2.7-12mm camera station, with IR LED illuminator, 120VAC
TSF3TV10-LED-IP-M	New Generation Stainless Steel FIXED IP 5MP 2.7-12mm camera station, with IR LED illuminator, 230VAC
TSF1TV10-LED-SM-M	New Generation Stainless Steel FIXED IP 5MP 2.7-12mm camera station, with IR LED illuminator, with SM FO media converter, 24VAC
TSF2TV10-LED-SM-M	New Generation Stainless Steel FIXED IP 5MP 2.7-12mm camera station, with IR LED illuminator, with SM FO media converter, 120VAC
TSF3TV10-LED-SM-M	New Generation Stainless Steel FIXED IP 5MP 2.7-12mm camera station, with IR LED illuminator, with SM FO media converter, 230VAC
TSF1TV10W-LED-IP-M	New Generation Stainless Steel FIXED IP 5MP 2.7-12mm camera station, with IR LED illuminator, wiper, 24VAC
TSF2TV10W-LED-IP-M	New Generation Stainless Steel FIXED IP 5MP 2.7-12mm camera station, with IR LED illuminator, wiper, 120VAC
TSF3TV10W-LED-IP-M	New Generation Stainless Steel FIXED IP 5MP 2.7-12mm camera station, with IR LED illuminator, wiper, 230VAC
TSF1TV10W-LED-SM-M	New Generation Stainless Steel FIXED IP 5MP 2.7-12mm camera station, with IR LED illuminator, wiper and SM FO media converter, 24VAC
TSF2TV10W-LED-SM-M	New Generation Stainless Steel FIXED IP 5MP 2.7-12mm camera station, with IR LED illuminator, wiper and SM FO media converter, 120VAC
TSF3TV10W-LED-SM-M	New Generation Stainless Steel FIXED IP 5MP 2.7-12mm camera station, with IR LED illuminator, wiper and SM FO media converter, 230VAC

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

PRE-ASSEMBLED CABLE TAILS

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

ACCESSORIES

SSBK-S	Wall mounting bracket
SSPM-S	Pole mount adapter for SSBK-S
SSPTM-S	Top pole mount adapter
SSBKCLN-S	Ceiling mounting bracket

DIMENSIONS

154

158

79,5

490

256

413

2x M20 x 1,5
Cable entries

6,3

63,5

135

Dimensions in millimetres – Tolerances according QMS – Design and products specifications subject to change without notice – rev. 20250925

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