

INO FIXED WITH HANWHA

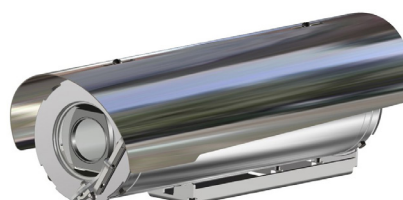
INNOVATIVE STAINLESS STEEL CAMERA STATION

SAFE AREA

- **INNOVATIVE PRODUCT, BEST IN CLASS TECHNOLOGY**
- AISI316L STAINLESS STEEL CONSTRUCTION
- OPERATING TEMPERATURE -60°C +60°C (+75°C PEAK)
- POWERED BY **WISENET XNZ-L6320**, DAY/NIGHT FULL HD, 32X OPTICAL ZOOM
- 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



WISENET



ONVIF®

TECHNICAL SPECIFICATIONS

GENERAL & MECHANICAL

Dimensions	See dimensions drawings
Operating Temperature	-60° +60°C, +75°C peak (-76°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 included
Wiper	Optional
Weight	Unit: 5 Kg / Package: 6.5 Kg (version with wiper)

ELECTRICAL

Temperature Climatization	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	1/2.8" 2MP CMOS
Resolution	1920x1080
Compression	H.265/H.264: Main/Baseline/High, MJPEG
Streaming	Unicast(20 users) / Multicast Multiple streaming(Up to 10 profiles)
Frame Rate	H.265/H.264 : Max. 60fps/50fps(60Hz/50Hz)
Sensitivity	Color: 0.05 lux(F1.6, 1/30sec) B/W: 0.005 lux(F1.6, 1/30sec)
Shutter Speed	Minimum / Maximum / Anti flicker (2~1/12,000sec)
White Balance	ATW / AWC / Manual / Indoor / Outdoor
Dynamic range	WDR
Lens	32x Autofocus Optical Zoom, 4.44-142.6mm, F1.6(Wide) - F4.4(Tele)
FOV	Horizontal: 64.66° (Wide), 2.29° (Tele) Vertical: 38.08° (Wide), 1.30° (Tele)
Analytics	Defocus detection, Directional detection, Fog detection, Face detection, Motion detection, Digital auto tracking, Appear/Disappear, Enter/Exit, Loitering, Tampering, Virtual line
Event Triggers	Analytics, Network disconnect, Alarm input
Edge Recording	Micro SD/SDHC/SDXC 1slot 256GB
Network Storage	NAS
Noise Reduction	SSNR V
Iris	DC auto iris
Selectable Functions	Analytics, Tamper Detection, Objects in Area, Object Loitering, Objects Crossing Beam, Object Appears or Enters Area, Direction Violated

(*) for more updated information pls visit original web site of camera manufacturer

INNOVATIVE STAINLESS STEEL CAMERA STATION

NETWORK

Interface	RJ-45(10/100BASE-T)
Security	HTTPS(SSL) Login Authentication, Digest Login Authentication. IP Address Filtering, User access Log, 802.1X Authentication (EAP-TLS, EAP-LEAP)
ONVIF	ONVIF Profile S/G/T
Protocols	IPv4, IPv6, TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTCP, RTSP, NTP, HTTP, HTTPS, SSL/TLS, DHCP, FTP, SMTP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS, PIM-SM, UPnP, Bonjour, LLDP, SRTP

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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

TSF2TH02-IP-M	New Generation Weatherproof FIXED IP camera station with HANWHA XNZ-L6320, 120VAC
TSF3TH02-IP-M	New Generation Weatherproof FIXED IP camera station with HANWHA XNZ-L6320, 230VAC
TSF1TH02-IP-M	New Generation Weatherproof FIXED IP camera station with HANWHA XNZ-L6320, 24VAC
TSF2TH02W-IP-M	New Generation Weatherproof FIXED IP camera station with HANWHA XNZ-L6320, wiper, 120VAC
TSF3TH02W-IP-M	New Generation Weatherproof FIXED IP camera station with HANWHA XNZ-L6320, wiper, 230VAC
TSF1TH02W-IP-M	New Generation Weatherproof FIXED IP camera station with HANWHA XNZ-L6320, wiper, 24VAC

- 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

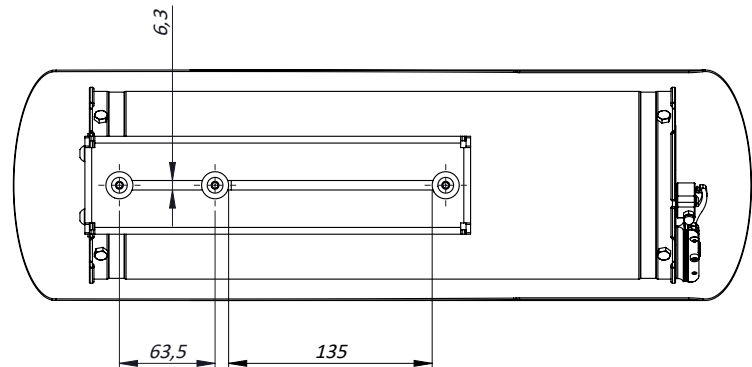
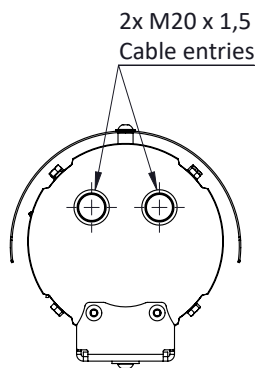
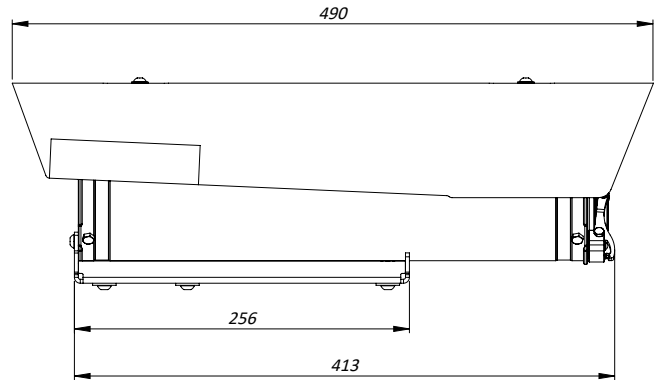
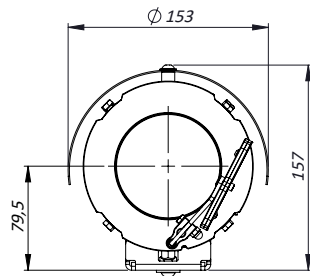
PRE-ASSEMBLED CABLE TAILS

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



*This is only an example of integration of Wisenet camera in Tecnovideo products.
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Dimensions in millimetres - Tolerances according QMS - Design and products specifications subject to change without notice - rev. 20250404