

## IP60 PTZ HANWHA

INNOVATIVE STAINLESS STEEL PTZ CAMERA STATION

SAFE AREA

- **INNOVATIVE PRODUCT, BEST IN CLASS TECHNOLOGY**
- AISI316L STAINLESS STEEL CONSTRUCTION
- POWERED BY **WISENET XNZ-L6320**, DAY/NIGHT FULL HD, 32X OPTICAL ZOOM
- EDGE RECORDING
- INTEGRATED WINDOW WIPER
- VERY LOW POWER CONSUMPTION
- EASY MAINTENANCE
- IP66/67/68/69, NEMA 4X
- OPTIONAL BUILT-IN FIBER MEDIA CONVERTER
- OPTIONAL BUILT-IN IP OVER COAX CONVERTER
- OPTIONAL BUILT-IN 120VAC OR 230VAC POWER SUPPLY



WISENET



ONVIF®

### 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>	4x Ø11 on 195 PCD
<b>Cable entries</b>	1x M25x1,5 (second cable entry available on demand)
<b>Wiper</b>	Yes
<b>Pan Angle</b>	360° (continuous rotation)
<b>Pan Speed</b>	0 – 40°/second
<b>Pan Torque</b>	20Nm (limited with safety device)
<b>Tilt Angle</b>	180° (+/-90°)
<b>Tilt Speed</b>	0 – 20°/second
<b>Tilt Torque</b>	20Nm (limited with safety device)
<b>Rotation angle</b>	Electronically adjustable limit switches
<b>Backlash</b>	<0,1°
<b>Max preset accuracy</b>	0,04°
<b>Control protocol</b>	Pelco D (RS485)
<b>Weight</b>	Unit: 29kg / Package: 34kg

#### ELECTRICAL

<b>Temperature Climatization</b>	
- Camera Housing	T[°C] ON = 12 ± 4°C, T[°C] OFF = 20 ± 3°C
- Gear motors	Electronically controlled de-icing
<b>Available voltages</b>	24VAC, 120VAC, 230VAC (+/-10%) 24VDC available on request
<b>Power consumption</b>	10W min (stationary and de-icing/heater/wiper off), 130W 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" 2MP CMOS
<b>Resolution</b>	1920x1080
<b>Compression</b>	H.265/H.264: Main/Baseline/High, MJPEG
<b>Streaming</b>	Unicast(20 users) / Multicast Multiple streaming(Up to 10 profiles)
<b>Frame Rate</b>	H.265/H.264 : Max. 60fps/50fps(60Hz/50Hz)
<b>Sensitivity</b>	Color: 0.05 lux(F1.6, 1/30sec) B/W: 0.005 lux(F1.6, 1/30sec)
<b>Shutter Speed</b>	Minimum / Maximum / Anti flicker (2~1/12,000sec)
<b>White Balance</b>	ATW / AWC / Manual / Indoor / Outdoor
<b>Dynamic range</b>	WDR
<b>Lens</b>	32x Autofocus Optical Zoom, 4.44-142.6mm, F1.6(Wide) - F4.4(Tele)
<b>Analytics</b>	Defocus detection, Directional detection, Fog detection, Face detection, Motion detection, Digital auto tracking, Appear/Disappear, Enter/Exit, Loitering, Tampering, Virtual line
<b>Event Triggers</b>	Analytics, Network disconnect, Alarm input
<b>Edge Recording</b>	Micro SD/SDHC/SDXC 1slot 256GB
<b>Network Storage</b>	NAS
<b>Noise Reduction</b>	SSNR V
<b>Iris</b>	DC auto iris
<b>Selectable Functions</b>	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 PTZ CAMERA STATION

### NETWORK

<b>Interface</b>	RJ-45(10/100BASE-T)
<b>Security</b>	HTTPS(SSL) Login Authentication, Digest Login Authentication. IP Address Filtering, User access Log, 802.1X Authentication (EAP-TLS, EAP-LEAP)
<b>ONVIF</b>	ONVIF Profile S/G/T
<b>Protocols</b>	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

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

### 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>TSP1TH02-IP-S</b>	New Generation Stainless Steel PTZ IP camera station, Wisenet 32x, 24VAC
<b>TSP2TH02-IP-S</b>	New Generation Stainless Steel PTZ IP camera station, Wisenet 32x,120VAC
<b>TSP3TH02-IP-S</b>	New Generation Stainless Steel PTZ IP camera station, Wisenet 32x, 230VAC
<b>TSP1TH02-SM-S</b>	New Generation Stainless Steel PTZ IP camera station, Wisenet 32x. SM FO Media converter, 24VAC
<b>TSP2TH02-SM-S</b>	New Generation Stainless Steel PTZ IP camera station, Wisenet 32x. SM FO Media converter, 120VAC
<b>TSP3TH02-SM-S</b>	New Generation Stainless Steel PTZ IP camera station, Wisenet 32x. SM FO Media converter, 230VAC

- for IP over COAXIAL converter replace the suffix "SM" with "CX"

### PRE-ASSEMBLED CABLE TAILS

<b>SAUCCT3-B</b>	3 meters composite cable tail (power, CAT6A, data) with two M25 nickel-plated brass glands
<b>SAUCCTF3-D</b>	3 meters composite cable tail (power, data, fiber optic) with two M25 nickel-plated brass glands. Fiber termination: SC
<b>SAUCCT5-B</b>	5 meters composite cable tail (power, CAT6A, data) with two M25 nickel-plated brass glands
<b>SAUCCTF5-D</b>	5 meters composite cable tail (power, data, fiber optic) with two M25 nickel-plated brass glands. Fiber termination: SC
<b>SAUCCT10-B</b>	10 meters composite cable tail (power, CAT6A, data) with two M25 nickel-plated brass glands
<b>SAUCCTF10-D</b>	10 meters composite cable tail (power, data, fiber optic) with two M25 nickel-plated brass glands. Fiber termination: SC

### ACCESSORIES

<b>SSBK-L</b>	Wall mounting bracket
---------------	-----------------------

## DIMENSIONS

