

INNO PTZ 3MP

INNOVATIVE STAINLESS STEEL PTZ CAMERA STATION

SAFE AREA

- **INNOVATIVE PRODUCT, BEST IN CLASS TECHNOLOGY**
- AISI316L STAINLESS STEEL CONSTRUCTION
- 3MP, H.265, 33X AUTOFOCUS OPTICAL ZOOM
- EIS ELECTRONIC IMAGE STABILIZER
- 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
- CYBER SECURITY FEATURES
- NDAA COMPLIANT



TECHNICAL SPECIFICATIONS

GENERAL & MECHANICAL

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

ELECTRICAL

| | |
|----------------------------------|---|
| Temperature Climatization | |
| - Camera Housing | T[°C] ON = 12 ± 4°C, T[°C] OFF = 20 ± 3°C |
| - Gear motors | Electronically controlled de-icing |
| Available voltages | 24VAC, 120VAC, 230VAC (+/-10%) 24VDC available on request |
| Power consumption | 10W min (stationary and de-icing/heater/wiper off), 130W MAX |

CERTIFICATIONS

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|---------------------------|---|
| Ingress Protection | EN 60529 (IP66/IP67/IP68/IP69), NEMA 4X |
|---------------------------|---|

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|-----------------------------|---|
| Vibrations and Shock | EN/IEC 60068-2-6; EN/IEC 60068-2-27; DNV-CG-0339 |
| EMC | 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 |
| LVD | EN/IEC 62368-1 |
| FCC | FCC part 15B |
| RoHS | 2011/65/EU + 2015/863/EU (RoHS 3) |
| WEEE | 2012/19/EU |

VIDEO/CAMERA

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

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|----------------------------|---------------------------------------|
| Noise Reduction | 3D Motion Compensated Noise Reduction |
| Iris | P-Iris, Auto-Iris |
| Image Stabilization | EIS |

NETWORK

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

FIBER MEDIA CONVERTER

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| 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

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|--------------------------------|--|
| 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

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|---------------------|---|
| TSP1TV2-IP-S | New Generation Stainless Steel PTZ IP camera station 3MP 33x, 24VAC |
| TSP2TV2-IP-S | New Generation Stainless Steel PTZ IP camera station 3MP 33x, 120VAC |
| TSP3TV2-IP-S | New Generation Stainless Steel PTZ IP camera station 3MP 33x, 230VAC |
| TSP1TV2-SM-S | New Generation Stainless Steel PTZ IP camera station 3MP 33x. SM FO Media converter, 24VAC |
| TSP2TV2-SM-S | New Generation Stainless Steel PTZ IP camera station 3MP 33x. SM FO Media converter, 120VAC |
| TSP3TV2-SM-S | New Generation Stainless Steel PTZ IP camera station 3MP 33x. SM FO Media converter, 230VAC |

All the above PTZ camera stations include wiper and sunshield.
- for IP over COAXIAL converter replace the suffix "SM" with "CX"

PRE-ASSEMBLED CABLE TAILS

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

ACCESSORIES

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|---------------|-----------------------|
| SSBK-L | Wall mounting bracket |
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DIMENSIONS

