

## TSCTV10 SERIES

INNOVATIVE EXPLOSIONPROOF INNO BULLET 5MP CAMERA STATION

SAFE AREA

- **INNOVATIVE PRODUCT, BEST IN CLASS TECHNOLOGY**
- AISI316L STAINLESS STEEL CONSTRUCTION
- OPERATING TEMPERATURE UP TO -40°C +60°C (+75°C PEAK)
- 5MP CAMERA, H.265, 2.7-12MM MOTORIZED VARIFOCAL
- DIRT RESISTANT WINDOW WITH SPECIAL COATING
- 3-AXIS WALL/CEILING MOUNTING BRACKET
- EDGE RECORDING
- IP66/67
- OPTIONAL BUILT-IN FIBER MEDIA CONVERTER
- OPTIONAL BUILT-IN IP OVER COAXIAL CONVERTER
- OPTIONAL BUILT-IN 100-240VAC OR POE POWER SUPPLY
- CYBER SECURITY FEATURES
- NDAA COMPLIANT



## TECHNICAL SPECIFICATIONS

### GENERAL & MECHANICAL

|                              |                                                                                                                                                                                              |
|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Dimensions</b>            | See dimensions drawings                                                                                                                                                                      |
| <b>Operating Temperature</b> | <ul style="list-style-type: none"> <li>• -40°C +60°C, +75°C peak (-40°F +140°F, +167°F peak)</li> <li>• 0° +60°C, +75°C peak (32°F +140°F, +167°F peak)*</li> </ul> *Versions without heater |
| <b>Construction</b>          | AISI316L Stainless Steel                                                                                                                                                                     |
| <b>Finish</b>                | Electro-polished                                                                                                                                                                             |
| <b>Mounting</b>              | See drawings next page                                                                                                                                                                       |
| <b>Cable entries</b>         | 2x M20 x1.5, nickel-plated brass cable glands                                                                                                                                                |
| <b>Weight</b>                | Unit: 5.5 Kg / Package: 6.5 Kg                                                                                                                                                               |

### ELECTRICAL

|                                  |                                                                                                                                                     |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Temperature Climatization</b> | <ul style="list-style-type: none"> <li>• T[°C] ON = 12 ± 4°C, T[°C] OFF = 20 ± 3°C</li> <li>• No climatization (versions without heater)</li> </ul> |
| <b>Available voltages</b>        | 24VAC/DC, 100-240VAC (+/-10%), PoE+(802.3at), PoE (803.3af)                                                                                         |
| <b>Power consumption</b>         | <ul style="list-style-type: none"> <li>• 40W MAX</li> <li>• 25W MAX (PoE+)</li> <li>• 5W MAX (PoE)</li> </ul>                                       |

### CERTIFICATIONS

|                           |                                                                                                                |
|---------------------------|----------------------------------------------------------------------------------------------------------------|
| <b>Ingress Protection</b> | EN 60529 (IP66/IP67)                                                                                           |
| <b>IK Classification</b>  | IK10 on all sides except for the front glass, which is rated IK08                                              |
| <b>EMC</b>                | 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 |
| <b>LVD</b>                | EN/IEC 62368-1                                                                                                 |
| <b>RoHS</b>               | 2011/65/EU + 2015/863/EU (RoHS 3)                                                                              |
| <b>WEEE</b>               | 2012/19/EU                                                                                                     |

### VIDEO/CAMERA

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

## NETWORK

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

## 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>TSC5TV10-IP</b> | New Generation Stainless Steel FIXED IP 5MP 2.7-12mm camera station, 3-axis mounting bracket, PoE+                              |
| <b>TSC8TV10-IP</b> | New Generation Stainless Steel FIXED IP 5MP 2.7-12mm camera station, 3-axis mounting bracket, PoE                               |
| <b>TSC6TV10-IP</b> | New Generation Stainless Steel FIXED IP 5MP 2.7-12mm camera station, 3-axis mounting bracket, 24VAC/DC                          |
| <b>TSC7TV10-IP</b> | New Generation Stainless Steel FIXED IP 5MP 2.7-12mm camera station, 3-axis mounting bracket, 100-240VAC                        |
| <b>TSC6TV10-SM</b> | New Generation Stainless Steel FIXED IP 5MP 2.7-12mm camera station, SM FO media converter, 3-axis mounting bracket, 24VAC/DC   |
| <b>TSC7TV10-SM</b> | New Generation Stainless Steel FIXED IP 5MP 2.7-12mm camera station, SM FO media converter, 3-axis mounting bracket, 100-240VAC |

- For IP over COAXIAL converter replace the suffix "SM" with "CX", except TSC8TV10-IP  
- All the above models include heater except TSC8TV10-IP

## 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>SAUCCT5-A</b>   | 5 meters composite cable tail (power, CAT6A, data) with two M20 nickel-plated brass glands. For FIXED camera                               |
| <b>SAUCCTF5-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>SAUCCT10-A</b>  | 10 meters composite cable tail (power, CAT6A, data) with two M20 nickel-plated brass glands. For FIXED camera                              |
| <b>SAUCCTF10-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>SSPM-S</b> | Pole mount adapter |
|---------------|--------------------|



## DIMENSIONS

