

# TVTH-S01-0002-TUR-G

**Telecamera Termica Turret Bi-Spectral TruVision 256 × 192, Obiettivo 3.6 mm. Telecamera a luce Visibile 4MP**

## Overview

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TruVision S series IP thermal Cameras is the answer for demanding customers to detect unwanted activities in difficult weather or light conditions. The thermal IP camera line-up is accessible and offers advanced features to ensure precision for your customer's optimal security.

The cameras go above and beyond standard motion detection with enhanced alarm capabilities, including cross line detection, intrusion detection and region entrance/exit features. With its smart person/vehicle feature the camera can ignore irrelevant motion or VCA events which will automatically lead to less storage consumption and faster retrieval of relevant video events.

TruVision S series IP thermal Cameras utilize H.265 and/or H.264 compression technology with triple-streaming capability, making it easy to manage the camera's bandwidth usage. Recording to a local MicroSD card (not included) protects data in the event of network disruptions.

TruVision S series IP thermal Cameras can be used in combination with a variety of TruVision recording platforms, as well as any third party platform using ONVIF connectivity.

## Why choose the S series of thermal IP cameras?

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Our new range of thermal cameras can be integrated in the full Aritech ecosystem. With the recorders, the network products, TruVision Navigator, it completes the full KGS security network.



## Dettagli

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- Bi-Spectral (thermal and optical)
- Uncooled thermal sensor
- 4MP Optical camera (side by side)
- H.265 compression
- Intelligent VCA human and vehicle detection
- Long range object detection
- IP66 rating for outdoor installation
- Embedded analytics for perimeter protection application
- PoE+ support
- SD card support for edge recording
- ONVIF Profile G, S, T open standards

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### Specifiche tecniche

#### Generale

|                             |                                                                      |
|-----------------------------|----------------------------------------------------------------------|
| Tecnologia                  | Termico                                                              |
| OSD                         | Picture Overlay, Text Overlay                                        |
| Modalità di visualizzazione | Mirror, OSD, OSD with custom text overlays, ROI (Region Of Interest) |
| Uscita video                | BNC Composite PAL / NTSC                                             |
| Compatibilità Software      | TruVision Navigator, TVRmobile, Web Browser                          |

#### Telecamera

|                          |                    |
|--------------------------|--------------------|
| Dimensioni del sensore   | 1/2.7"             |
| Scansione del sensore    | Progressive        |
| Tipo di sensore          | CMOS               |
| Pixels totali (H x V)    | 256 x 192          |
| Pixels effettivi (H x V) | 2688 x 1520        |
| Tempo di scatto          | 1 s to 1/100,000 s |

#### Prestazioni di illuminazione

|                                     |                                                                        |
|-------------------------------------|------------------------------------------------------------------------|
| WDR                                 | 120 dB                                                                 |
| Giorno / notte                      | True Day/Night                                                         |
| Rimozione del filtro IR motorizzata | Si                                                                     |
| Sensibilità del colore              | Color: 0.0176 Lux @ (F2.25, AGC ON), B/W: 0.0035 Lux @ (F2.25, AGC ON) |
| Portata IR                          | Up to 15 m                                                             |

#### Codifica

|                                |                                                                        |
|--------------------------------|------------------------------------------------------------------------|
| Flussi video                   | 2                                                                      |
| Compressione flusso principale | H.264, H.265                                                           |
| Compressione flusso secondario | H.264, H.265, MJPEG                                                    |
| Risoluzione flusso principale  | 1280 x 720 (XVGA), 320 x 240 (QVGA), 640 x 480 (VGA), 704 x 576 (4CIF) |
| Risoluzioni flusso secondario  | 320 x 240 (QVGA), 640 x 480 (VGA), 704 x 576 (4CIF)                    |
| Risoluzione Max. @ fps         | 1280 x 720 @ 25 fps                                                    |

#### Lente

|                  |                                                                                      |
|------------------|--------------------------------------------------------------------------------------|
| Tipo obiettivo   | Fisso                                                                                |
| Lunghezza focale | Termica: 3.6 mm, FoV 50.0 × 37.3° (H × V) / Ottica: 4.3 mm, FoV 84.0 × 43.1° (H × V) |
| f-stop           | f1.0                                                                                 |

#### Rete

|                               |                                                                                                                     |
|-------------------------------|---------------------------------------------------------------------------------------------------------------------|
| Integrazione                  | ONVIF, ONVIF Profile G, ONVIF Profile S, ONVIF Profile T                                                            |
| Protocolli di rete supportati | 802.1x, DDNS, DHCP, DNS, FTP, HTTP, HTTPS, ICMP, IGMP, IPv4, IPv6, NTP, PPPoE, QoS, RTP, RTSP, SMTP, SNMP, TCP, UDP |

#### Audio

|                    |                                                                                  |
|--------------------|----------------------------------------------------------------------------------|
| Compressione audio | G.711a, G.711u, G.722, G.726                                                     |
| Ingresso audio     | 1 Mic in/Line in interface, line input: 2-2.4V[p-p]; output impedance: 1KΩ, ±10% |
| Uscita audio       | 1 Audio output interface, line level, impedance: 600Ω                            |

#### Allarme I/O

|                     |   |
|---------------------|---|
| Ingresso di allarme | 1 |
| Uscita di allarme   | 2 |

#### Memoria

|                                |                    |
|--------------------------------|--------------------|
| Supporto registrazione locale  | Si                 |
| Tipo di archiviazione locale   | Micro SD/SDHC/SDXC |
| Capacità Max. di registrazione | Up to 128GB        |

#### Intelligenza video

|                         |                                                                                                               |
|-------------------------|---------------------------------------------------------------------------------------------------------------|
| Analisi video           | Intrusion detection, Rilevazione Line crossing, Rilevazione entrata in regione, Rilevazione uscita da regione |
| Opzioni di intelligence | VCA human and vehicle detection                                                                               |

#### Elettrico

|                       |                                  |
|-----------------------|----------------------------------|
| Tensione di esercizio | 12 VDC<br>PoE (802.3af. class 3) |
| Consumo di energia    | 7 W (Max.)                       |

#### Fisico

|                    |                          |
|--------------------|--------------------------|
| Dimensioni fisiche | 321 mm × 106 mm × 107 mm |
| Peso netto         | 1.55 kg                  |
| Colore             | Grigio                   |
| Form Factor        | Turret                   |

#### Ambientale

|                       |                              |
|-----------------------|------------------------------|
| Ambiente              | Interno, All'aperto          |
| Temperatura operativa | -40 to +65°C                 |
| Umidità relativa      | 90% or less, no condensation |
| IP rating             | IP66                         |

#### Regolatorio

|            |                                      |
|------------|--------------------------------------|
| Conformità | CE, cUL, REACH, RoHS, UKCA, UL, WEEE |
|------------|--------------------------------------|

#### Camera

|                               |                                            |
|-------------------------------|--------------------------------------------|
| Image sensor                  | Vanadium Oxide Uncooled Focal Plane Arrays |
| IFOV                          | 3.33 mrad                                  |
| Pixel Interval                | 12 μm                                      |
| NETD                          | ≤40 mK (25°C), F1.1                        |
| Minimum focal distance        | 0.4 m                                      |
| Maximum detection range       | up to 460 m (vehicle) / 150 m (human)      |
| Maximum recognition range     | up to 112 m (vehicle) / 38 m (human)       |
| Maximum identification range  | up to 56 m (vehicle) / 19 m (human)        |
| VCA Range for Vehicles        | up to 75 m (4.0 x 1.4 m)                   |
| VCA Range for Humans          | up to 28 m (1.8 x 0.5 m)                   |
| Temperature Measurement Range | up to 58 m (1 x 1 m)                       |
| Temperature Measurement Range | up to 11 m (0.2 x 0.2 m)                   |

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## Alarm I/O

|              |                                                                                                                                                                                       |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Visual Alarm | Yes. White light flashing alarm                                                                                                                                                       |
| Audio alarm  | Yes, for two types of audible alarm (VCA and Temperature Exception). 2 preset voice alerts (one for each). 6 importable user-defined voice alerts (6 options shared in the two types) |

## Video intelligence

|                         |                                                                                                               |
|-------------------------|---------------------------------------------------------------------------------------------------------------|
| VCA                     | 4 VCA rule types (line crossing, intrusion, region entrance, and region exiting), up to 8 VCA rules in total. |
| Temperature Measurement | 3 temperature measurement rule types, 21 rules in total (10 points, 10 areas, and 1 line)                     |
| Temperature Range       | -20 to +150°C                                                                                                 |
| Temperature Accuracy    | ± 8°C                                                                                                         |

## Prodotti compatibili

| Categoria         | Riferimento | Descrizione                                                                                                                                                                             |
|-------------------|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Staffe e Supporti | TVD-BB3     | Back Box per l'installazione di dome TruVision da utilizzare con dome varifocal analogiche TVD-6/7, dome varifocal IP da interno e le serie di dome varifocal IP TVD-11/31 e TVD-12/32. |
| Staffe e Supporti | TVD-M2-WM   | Supporto per il montaggio a parete delle telecamere Dome della linea TruVision™ IP                                                                                                      |



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