

# TVTH-S01-0002-BUL-G

## TruVision IP thermal bullet camera, 256 × 192, 7 mm lens, 4MP Visible Light Camera

### 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 Carrier security network.



### Details

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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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### Technical specifications

#### Generale

Technology	IP, Thermal
OSD	Picture Overlay, Text Overlay
Modalità di visualizzazione	OSD, OSD with custom text overlays, ROI (Region Of Interest)
Compatibilità Software	TruVision Navigator, TVRmobile, Web Browser

#### Telecamera

Pixels totali (H x V)	256 x 192
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#### Codifica

Video streams	3
Compressione flusso principale	H.264, H.265
Compressione flusso secondario	H.264, H.265, MJPEG
Compressione del terzo flusso	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 del terzo flusso	320 x 240 (QVGA), 640 x 480 (VGA), 704 x 576 (4CIF)
Risoluzione Max. @ fps	1280 x 720 @ 25 fps

#### Obiettivo

Tipo obiettivo	Fixed
Lunghezza focale	7 mm
f-stop	f1.0

#### Network

Integration	ONVIF
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
Audio in	1 Mic in/Line in interface, line input: 2-2.4V[p-p]; output impedance: 1K $\Omega$ , $\pm$ 10%
Audio out	1 Audio output interface, line level, impedance: 600 $\Omega$

#### Allarme I/O

Ingresso di allarme	2
Uscita di allarme	2

#### Memoria

Supporto registrazione locale	Si
Local storage type	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
Intelligence options	VCA human and vehicle detection

#### Elettrico

Tensione di esercizio	12 VDC PoE (802.3af, class 3)
Consumo di energia	7 W (max.)

#### Fisico

Dimensioni fisiche	321 x 106 x 107 mm
Peso netto	1.55 kg
Colore	Grey
Form Factor	Bullet

#### Ambientale

Ambiente	Interno / Esterno
Temperatura operativa	-40 to 65°C
Umidità relativa	<90% noncondensing
IP rating	IP66

#### Normative

Conformità	CE, cUL, REACH, RoHS, UKCA, UL, WEEE
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#### Camera

Image sensor	Vanadium Oxide Uncooled Focal Plane Arrays
IFOV	1.74 mrad
Pixel Interval	12 $\mu$ m
NETD	$\leq$ 40 mK (25°C), F1.0
Minimum focal distance	1.3 m
Maximum detection range	up to 881 m (vehicle) / 287 m (human)
Maximum recognition range	up to 220 m (vehicle) / 72 m (human)
Maximum identification range	up to 110 m (vehicle) / 36 m (human)
VCA Range for Vehicles	up to 144 m (4.0 x 1.4 m)
VCA Range for Humans	up to 55 m (1.8 x 0.5 m)
Temperature Measurement Range	up to 116 m (1 x 1 m)
Temperature Measurement Range	up to 23 m (0.2 x 0.2 m)

#### Optical Camera

Image Sensor	1/2.7" Progressive Scan CMOS
Total Effective Pixels	2688 x 1520
Shutter Time	1 s to 1/100,000 s
WDR	120 dB
Day/Night	True Day/Night (with motorised IR cut filter)
Color sensitivity	Color: 0.0176 Lux @ (F2.25, AGC ON), B/W: 0.0035 Lux @ (F2.25, AGC ON)
Focal Length	6.4 mm
IR Range	Up to 30 m

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## Lens

Field of View	24.9° (H) x 18.7° (V)
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## Accessories

Back Box (included with camera)	
TVD-M-PMA	Pole mount adaptor
TVD-M-CMA	Corner mount adaptor

## 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



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