

# TVB-5713

**TruVision IP Bullet Camera, H.265, 4MP, 2.8-12mm motorized lens, Super Low Light, WDR, true D/N, 50m IR, Audio, Alarm, BNC, micro SD/SHDC slot, Intelligence, PoE+ (802.3-at)**

## Overview

The TruVision Series 7 IP bullet cameras with smart event capabilities available in 2, 4, 8 and 12MP resolution deliver high-quality images thanks to their extreme low light sensitivity and enhanced image processing. The rich set of features make these cameras the ideal choice for demanding security, surveillance and monitoring applications.

The cameras support up to 10 configurable video streams which allow users to optimize the camera's remote live view capabilities while controlling the bandwidth usage. The motorized varifocal lens with P-iris technology allows users to remotely adjust the zoom level and focus to get crisp images anytime anywhere. In addition to the compatibility with other TruVision products and 3rd party VMS software, the cameras also support NAS recording or local MicroSD card recording to protect data in the event of network disruptions.

The enhanced embedded video intelligence capabilities go above and beyond standard event detection allowing operators to receive real-time event notifications and reduce the time needed for post-incident investigation.



## Details

- Maximum Resolution: 2560 × 1440
- H.265, H.264 and MJPEG compression
- 10 independent configurable video streams
- Motorized zoom lens 2.8 to 12 mm with auto-focus
- P-iris lens
- ONVIF Profiles S, G and T
- Rich video intelligence (VCA)
- Up to 50 m IR illumination
- Up to 140 dB Wide Dynamic Range
- Edge recording up to 256 GB with optional SD card

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## Technical specifications

### Generale

|                             |                                                                                     |
|-----------------------------|-------------------------------------------------------------------------------------|
| Technology                  | IP                                                                                  |
| Standard Video              | NTSC, PAL                                                                           |
| Modalità di visualizzazione | De-Fog, Electronic Image Stabilization, Hallway View, Mirror                        |
| Privacy masking             | 8 zones                                                                             |
| Uscita video                | BNC (solo per installazione)                                                        |
| Compatibilità Software      | Milestone XProtect, OnGuard, TruVision Navigator, TVRmobile, UltraView, Web Browser |

### Telecamera

|                  |                  |
|------------------|------------------|
| Sensor size      | 1/1.8"           |
| Risoluzione Max. | 4 MP             |
| Sensor scan      | Progressive      |
| Tipo di sensore  | CMOS             |
| Shutter time     | 1 to 1/100,000 s |

### Prestazioni di illuminazione

|                                     |                                               |
|-------------------------------------|-----------------------------------------------|
| Tipo WDR                            | True WDR                                      |
| WDR                                 | 140 dB                                        |
| Riduzione dei disturbi digitale     | 3D DNR                                        |
| Day/night                           | True Day/Night                                |
| Rimozione del filtro IR motorizzata | Si                                            |
| Sensibilità del colore              | 0.002 Lux @ (F1.2, AGC ON)                    |
| Sensibilità B/W                     | 0.0002 Lux @ (F1.2, AGC ON), 0 lux with IR ON |
| Trigger B/W                         | Auto/Schedule/Triggered by alarm in           |
| Infrarosso (IR)                     | Si                                            |
| Portata IR                          | Up to 50 m                                    |

### Codifica

|                                |                                                                                              |
|--------------------------------|----------------------------------------------------------------------------------------------|
| Video streams                  | 10                                                                                           |
| Compressione flusso principale | H.264, H.265                                                                                 |
| Compressione flusso secondario | H.264, H.265, MJPEG                                                                          |
| Compressione del terzo flusso  | H.264, H.265, MJPEG                                                                          |
| Video bit rate                 | 32 to 16 Mbps                                                                                |
| Risoluzione flusso principale  | 1280 x 720 (XVGA), 1600 x 1200 (UXGA), 1920 x 1080 (1080p), 2560 x 1440                      |
| Risoluzioni flusso secondario  | 640 x 480 (VGA), 704 x 576 (4CIF)                                                            |
| Risoluzione del terzo flusso   | 1280 x 720 (XVGA), 1280 x 960 (720p), 1920 x 1080 (1080p), 640 x 480 (VGA), 704 x 576 (4CIF) |
| Risoluzione Max. @ fps         | 2560 x 1440 @ 25/30 fps                                                                      |

### Obiettivo

|                  |                                                                                                       |
|------------------|-------------------------------------------------------------------------------------------------------|
| Tipo obiettivo   | Motorizzata                                                                                           |
| Lunghezza focale | 2.8 to 12 mm, Horizontal FoV 109.2° to 38.9°, Vertical FoV 56.2° to 21.9°, Diagonal FoV 134.5° to 45° |
| Auto iris        | Si                                                                                                    |
| Auto focus       | Si                                                                                                    |
| Zoom motorizzato | Si                                                                                                    |

### Network

|                               |                                                                                                                                                                                                                                                                                               |
|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Interfaccia di rete           | RJ-45 10/100 Mbps self-adaptive Ethernet interface                                                                                                                                                                                                                                            |
| Integration                   | CGI, ISAPI, ONVIF Profile G, ONVIF Profile S, ONVIF Profile T                                                                                                                                                                                                                                 |
| Protocolli di rete supportati | 802.1x, Bonjour, DDNS, DHCP, DNS, FTP, HTTP, HTTPS, ICMP, IGMP, IPv4, IPv6, NTP, PPPoE, QoS, RTCP, RTP, RTSP, SMTP, SNMP, TCP/IP, UPnP                                                                                                                                                        |
| Security                      | Password protection, HTTPS encryption, 802.1x authentication (EAP-TLS, EAP-LEAP, EAP-MD5), watermark, IP address filter, basic and digest authentication for HTTP/HTTPS, WSSE and digest authentication for ONVIF, RTP/RTSP over HTTPS, control timeout settings, security audit log, TLS 1.2 |

### Audio

|                    |                                                       |
|--------------------|-------------------------------------------------------|
| Compressione audio | G.711alaw, G.711ulaw, G.722.1, G.726, MP2L2, MP3, PCM |
| Audio in           | 1 line in/mic.in                                      |
| Audio out          | 1 line out                                            |

### Allarme I/O

|                         |                                |
|-------------------------|--------------------------------|
| Ingresso di allarme     | 2                              |
| Uscita di allarme       | 2 outputs (24 VAC/VDC, 1A max) |
| Connessione allarme I/O | Terminal blocks                |

### Memoria

|                                |                                       |
|--------------------------------|---------------------------------------|
| Supporto registrazione locale  | Si                                    |
| Local storage type             | Built-in Micro SD/SDHC/SDXC card slot |
| Capacità Max. di registrazione | 256 GB                                |

### Intelligenza Video

|                     |                                                                                                                                                                                                                                                                                                    |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Attivazione allarme | HDD error, HDD full, Invalid login, Conflitto di indirizzi IP, Rete disconnessa                                                                                                                                                                                                                    |
| ROI                 | Up to 4 fixed regions for one of 5 the first streams<br>Dynamic region for face tracking                                                                                                                                                                                                           |
| Analisi video       | Rilevazione avanzata del movimento, Rilevazione Audio exception, Defocus, Face detection, Intrusion detection, Rilevazione Line crossing, Rilevazione oggetto rimosso, Rilevazione entrata in regione, Rilevazione uscita da regione, Rilevazione cambio scena, Rilevazione di bagagli incustoditi |

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## Elettrico

|                       |                                                                                                                                                                                                                                           |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Tensione di esercizio | 12 VDC $\pm$ 20%, three-core terminal block, reverse polarity protection / PoE (802.3at, class 4)                                                                                                                                         |
| Consumo di energia    | 12 VDC, 1.13 A, max. 13.5 W; PoE (802.3at, 42.5 V to 57 V), 0.42 A to 0.32 A, max. 18 W<br>With external load connected to camera power output: 12 VDC, 1.33 A, max. 15.9 W; PoE (802.3at, 42.5 V to 57 V), 0.50 A to 0.37 A, max. 21.2 W |

## Fisico

|                    |                                                        |
|--------------------|--------------------------------------------------------|
| Dimensioni fisiche | $\Phi 144 \times 347$ mm<br>$\Phi 5.7 \times 13.7$ in. |
| Peso netto         | 2450 g<br>5.40 lb.                                     |
| Colore             | Grey                                                   |
| Form Factor        | Bullet                                                 |

## Ambientale

|                       |                               |
|-----------------------|-------------------------------|
| Valutazione impatto   | IK10                          |
| Ambiente              | Esterno                       |
| Temperatura operativa | -40 to +65°C<br>-40 to +149°F |
| Umidità relativa      | <95% (non-condensing)         |
| IP rating             | IP67                          |

## Normative

|            |                                |
|------------|--------------------------------|
| Conformità | CE, FCC, REACH, RoHS, UL, WEEE |
|------------|--------------------------------|

## Encoding

|                                |                                                                           |
|--------------------------------|---------------------------------------------------------------------------|
| 4th to 10th stream compression | H.265, H.264, MJPEG                                                       |
| 4th stream resolutions         | 1920 x 1080 (1080p), 1280 x 720 (XVGA), 704 x 576 (4CIF), 640 x 480 (VGA) |
| 5th stream resolutions         | 704 x 576 (4CIF), 640 x 480 (VGA)                                         |
| 6th to 10th stream resolutions | 1920 x 1080 (1080p), 1280 x 720 (XVGA), 704 x 576 (4CIF), 640 x 480 (VGA) |

## Lens

|           |        |
|-----------|--------|
| Auto-iris | P-iris |
|-----------|--------|

## Storage

|                            |                    |
|----------------------------|--------------------|
| Additional storage options | NAS (NFS,SMB/CIFS) |
|----------------------------|--------------------|

## Environmental

|                 |     |
|-----------------|-----|
| Internal heater | Yes |
|-----------------|-----|

## Accessories

|        |                                                             |
|--------|-------------------------------------------------------------|
| TVB-CM | TruVision Corner Mount bracket for S6 and S7 bullet cameras |
| TVB-PM | TruVision Pole Mount bracket for S6 and S7 bullet cameras   |

