

Thermal & Optical Bi-spectrum Network Bullet Camera TIC2624S-F35-4F12AC-I3



Features

- Thermal & Optical dual-spectrum image, dual video with single ip address, adaptable to more various scenes.
- The thermal imaging channel adopt instant image super-resolution.
- Original resolution is 400 × 300 .
- 1/2.7" CMOS, high sensitivity sensor, satisfy the need of starlight image.
- Thermal module support reliable fire detection, smoking detection and fire shield area .
- Thermal module supports temperature detection and cold&hot spot tracking,supports abnormal temperature alarm.
- Thermal & Optical dual-spectrum smart intrusion prevention: cross line, enter area, leave area, intrusion.
- Optical module supports smog recognition, which can help with fire alarm reconfirm.
- Support picture-in-picture mode, real-time contrast live, more convenient and clear .
- Support audio and light alarm, with red and blue warning lights built in.
- Ultra 265, H.265, H.264, MJPEG.
- Max 2688 × 1520@30fps in the optical module and max 1080P@30 fps in the thermal module.
- DC12 V±25% or PoE (IEEE802.3 at) power supply.
- Alarm 3 in and 2 out, audio 2 in and 1 out, micro sd, up to 512 GB.
- Anti-corrosion design for stable protection (NEMA 4X).

Specifications

| Channel | Optical | Thermal |
|----------------------------|----------------------------------------------------------------------------------|--------------------------------------------|
| Camera | | |
| Max Resolution | 4 MP | 1080P |
| Original Resolution | N/A | 400 × 300 |
| Sensor | 1/2.7" CMOS | Vanadium oxide uncooled focal plane arrays |
| Min. Illumination | Colour: 0.005 lux (F1.6, AGC ON) B/W: 0.003 lux(F1.6,AGC ON) 0 lux with IR | N/A |
| Day/Night | IR-cut filter with auto switch (ICR) | N/A |
| Pixel Size | N/A | 12 um |
| NETD | < 30 mk@F1.0@25 °C | |
| Shutter | Auto/Manual, 1 to 1/100000 s | |
| WDR | 120 dB | |
| S/N | >56 dB | |
| Case Type | Bullet | |
| Lens | | |
| Focal Length | 12mm | 35mm |
| Iris | F1.6 | F1.0 |
| Field of View (H) | 24.5° | 7.7° |
| Field of View (V) | 13.9° | 5.8° |
| Field of View (D) | 30.1° | 9.1° |
| DORI | | |
| DORI Distance (Detect) | 270.0 m(885.8 ft) | N/A |
| DORI Distance (Observe) | 108.0 m(354.4 ft) | N/A |
| DORI Distance (Recognize) | 54.0 m(177.2 ft) | N/A |
| DORI Distance (Identify) | 27 m(88.6 ft) | N/A |
| Illuminator | | |
| Wavelength | 750 nm | N/A |
| Illumination Distance (IR) | 100m | N/A |
| Light On/Off Control | Auto/Manual | N/A |
| Video | | |
| Frame Rate | 4MP(2688*1520), Max 30fps | 1080P(1920*1080), Max 30fps |
| Video Compression | Ultra 265, H.265, H.264, MJPEG | |
| Video Bit Rate | 128 Kbps to 16 Mbps | |
| U-code | Support | |
| ROI | Support | |
| Video Stream | Five streams | |
| OSD | Up to 10 OSDs | |
| Privacy Mask | Up to 8 areas (8 blacks/ 8 mosaics) | N/A |
| Image | | |
| White Balance | Auto, Outdoor, Fine tune, Sodium lamp, | N/A |

| | | |
|-------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | Locked, Auto2 | |
| Digital Noise Reduction | 2D/3D DNR | |
| Flip | Normal, Flip vertical, Flip horizontal, 180° | |
| HLC | Support | N/A |
| BLC | Support | N/A |
| Defog | Digital defog | N/A |
| Palette | N/A | lava, medical, fusion, arctic, mazarine, rain, puce, white hot, iron oxide red, hot iron, rainbow 1, rainbow 2, rainbow 3, depict hot, ice hot, black hot, red hot, green hot, color 1, color 2 |
| Low Illumination Characteristics | LightHunter | |
| Intelligent | | |
| Smart Intrusion Prevention | Cross line detection, intrusion detection, enter area detection, leave area detection (support false alarm filtering and the classification of human, non-motor vehicle and vehicle) | Cross line detection, intrusion detection, enter area detection, leave area detection (support false alarm filtering and the classification of human and vehicle) |
| Temperature Range | | -20°C ~150°C (-4 °F to 302°F) |
| Detection distance for personnel (1.8 × 0.5 meters) | N/A | 350m |
| Detection distance for vehicles (4 × 1.4 meters) | N/A | 1050m |
| Events | | |
| Fire Detection | N/A | Support |
| Basic Detection | Motion detection, Tampering alarm, Audio detection | N/A |
| General Function | Watermark, IP address filtering, Access policy, ARP protection, RTSP authentication, User authentication, HTTP authentication, Alarm input, Alarm output | |
| Detection distance for temperature (0.1 × 0.1 meters) | N/A | 30m |
| Detection distance for fire (0.1 × 0.1 meters) | N/A | 220m |
| Audio | | |
| Audio Compression | G.711U, G.711A | |
| Audio Bitrate | 128 Kbps | |
| Two-way Audio | Support | |
| Suppression | Support | |
| Sampling Rate | 16KHZ | |
| Storage | | |
| Edge Storage | MicroSD, up to 512 GB | |
| Network Storage | ANR | |
| Network | | |

| | | |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| Protocols | IGMP, RTP, SMTP, IPv4, IPv6, ICMP, ARP, TCP, UDP, DHCP, PPPoE, RTSP, RTCP, RTMP, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS, 802.1x, SNMP, QoS, SSL/TLS, SSH | |
| Compatible Integration | ONVIF (Profile S, Profile G, Profile M), SDK, API | |
| User/Host | Up to 32 users. 3 user levels: administrator, common user and operator | |
| Client | EZStation, UNV-Link, UNV-Link Pro | |
| Web Browser | Plug-in required live view: IE 10+, Chrome 45+, Firefox 52+, Edge 79+ | |
| Interface | | |
| Built-in Mic | Support | |
| Built-in Speaker | Support | |
| Audio I/O | 2 Input: impedance 1 k Ω , amplitude 2.5 V [p-p], 1 Output: impedance 600 Ω , amplitude 2 V [p-p] | |
| Alarm I/O | 3/2 | |
| Serial Port | 1 \times RS485 | |
| Network | 1 \times RJ45 10 M/100 M Base-TX Ethernet | |
| Video Output | N/A | 1 BNC (for debugging) |
| Certification | | |
| EMC | CE-EMC (EN 55032, EN 61000-3-3, EN IEC 61000-3-2, EN 50130-4) FCC (FCC CFR 47 part 15 B, ANSI C63.4-2014) | |
| Safety | CE LVD (EN IEC 62368-1) UL (UL 62368-1) | |
| Environment | CE-RoHS (2011/65/EU; (EU)2015/863); WEEE (2012/19/EU); Reach (Regulation (EC) No 1907/2006) | |
| Protection | IP67 (IEC 60529:1989+AMD1:1999+AMD2:2013) | |
| General | | |
| Power | DC12V (\pm 25%), PoE (IEEE802.3 at) | |
| Power Consumption | 22.4W | |
| Power Interface | \varnothing 5.5 mm coaxial power plug | |
| Dimensions | 406.0 x 130.0 x 130.0 mm (16.0" x 5.1" x 5.1")(L x W x H) | |
| Weight | 2.23kg | 2.23 kg |
| Working Environment | -40 $^{\circ}$ C to 70 $^{\circ}$ C (-40 $^{\circ}$ F to 158 $^{\circ}$ F), Humidity: \leq 95% RH (non-condensing) | |
| Storage Environment | -40 $^{\circ}$ C to 70 $^{\circ}$ C (-40 $^{\circ}$ F to 158 $^{\circ}$ F), Humidity: \leq 95% RH (non-condensing) | |
| Surge Protection | 6 KV | |
| Reset Button | Support | |
| RTC | Support | |
| Web Client Language | 22 Languages: Traditional Chinese, English, Simplified Chinese, Polish, German, Russian, French, Korean, Dutch, Czech, Portuguese (Europe), Portuguese (Brazil), Japanese, Thai, Turkish, Spanish (Latin America), Spanish (Europe), Hungarian, Italian, Vietnamese, Arabic, Slovak | |
| Live View | | |
| Maximum Bitstream | 35 | |
| Maximum Bandwidth | 50 Mbps | |
| Plugin Free | Support | |
| OSD Font | Vector | |
| OSD Color | Support | |
| OSD Character Number | 40 | |

| | |
|---------------|---------|
| Other | |
| Corridor Mode | Support |

DRI Description

The optimal detection, recognition, and identification distances are calculated according to Johnson's Criteria.

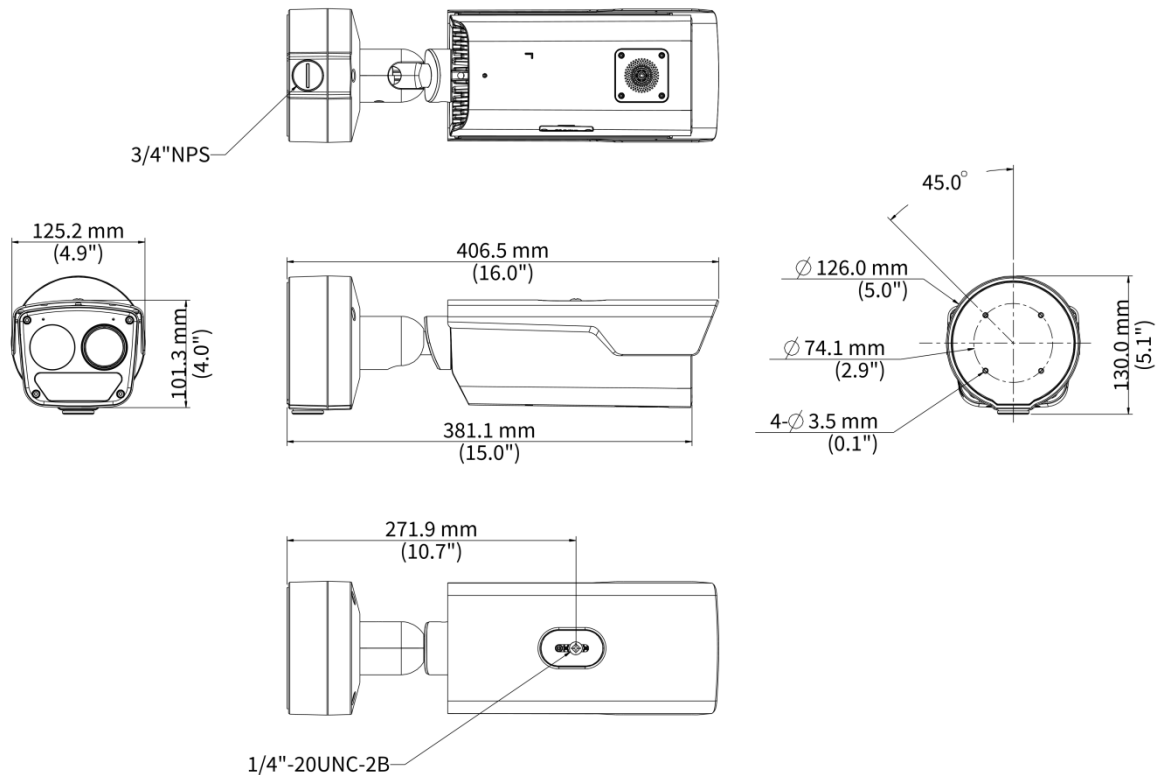
Detection Range: In order to distinguish an object from the background, the object must be covered by 1.5 or more pixels.

Recognition Range: In order to classify the object (animal, human, vehicle, etc), the object must be covered by 6 or more pixels.

Identification Range: In order to identify the object and describe it in details, the object must be covered by 12 or more pixels.

| Lens | Detection Range (Vehicles: 4.0 × 1.4 m) | Detection Range (Humans: 1.8 × 0.5 m) | Recognition Range (Vehicles: 4.0 × 1.4 m) | Recognition Range (Humans: 1.8 × 0.5 m) | Identification Range (Vehicles: 1.4 × 4.0 m) | Identification Range (Humans: 1.8 × 0.5 m) |
|------|-----------------------------------------|---------------------------------------|-------------------------------------------|-----------------------------------------|----------------------------------------------|--------------------------------------------|
| 10mm | 750m | 370m | 200m | 100m | 130m | 60m |
| 25mm | 1900m | 950m | 490m | 240m | 330m | 160m |
| 35mm | 2500m | 1250m | 690m | 340m | 460m | 230m |

Dimensions



Accessories

| TR-UP06-C-IN-V2 Pole Mounting Bracket for Bullet Junction Box Only | TR-UC08-C-V2 Bullet&Dome Corner Mounting Bracket | |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--|
|  |  | |

Unlimited New View

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