

Thermal & Optical Bi-spectrum Network Positioning System Camera TIC7626EL-GAF75-4X56-VH1



Features

- Thermal & Optical dual-spectrum image, dual video with single IP address, adaptable to various scenes
- Passive infrared thermal imaging, meets the requirement of concealed monitoring and is not affected by bad weather conditions such as fog, smoke, rain, snow, and night
- Thermal channel supports fire detection, and the optical channel can link to the fire position and zoom in for more accurate fire situation judgment
- Thermal & optical dual-spectrum smart intrusion prevention can be enabled simultaneously : cross line, enter area, leave area, intrusion, support smart tracking
- Optical channel supports 4 MP@60 fps, providing smoother motion images
- Optical channel supports gyroscope stabilization for stable pictures
- Optical channel supports heat wave reduction, which can reduce heat wave phenomena and improve image quality
- Vari-focal laser: 800 m (2624.7 ft) distance, proportional to optical zoom of camera module
- Rain-sensing auto wiper, providing clear images in harsh weather
- Supports 1/1 audio in/out, 7/2 alarm in/out, 1 serial port RS485
- Power supply: DC 48 V \pm 25%, DC 24 V \pm 15%, AC 24 V \pm 25%
- IP66

Specifications

| Channel | Optical | Thermal |
|----------------------------|--|--|
| Camera | | |
| Max Resolution | 4 MP | 2 MP |
| Original Resolution | N/A | 640 × 512 |
| Sensor | 1/1.8" CMOS | Vanadium oxide uncooled focal plane arrays |
| Min. Illumination | Colour : 0.0003lux(F1.2, AGC ON) B/W : 0.0001lux(F1.2, AGC ON) 0 Lux with Laser | N/A |
| Day/Night | IR-cut filter with auto switch (ICR) | N/A |
| Pixel Size | N/A | 12 um |
| NETD | ≤ 40 mk@F1.0@25 °C | |
| Shutter | Auto/Manual, 1 to 1/100000 s | |
| WDR | 120 dB | |
| S/N | >52 dB | |
| Lens | | |
| Focal Length | 6 ~ 336 mm | 75mm |
| Optical Zoom | 56X | N/A |
| Iris | F1.2 to F4.6 | F1.0 |
| Field of View (H) | 57.9°~ 1.6° | 6.1° |
| Field of View (V) | 34.6°~ 0.9° | 4.8° |
| Field of View (D) | 71.2°~ 1.9° | 7.2° |
| DORI | | |
| DORI Distance (Detect) | 155.5m(510.1ft)~4829.4m(15844.5ft) | N/A |
| DORI Distance (Observe) | 62.2m(204.0ft)~1931.8m(6337.8ft) | N/A |
| DORI Distance (Recognize) | 31.1m(102.0ft)~965.9m(3168.9ft) | N/A |
| DORI Distance (Identify) | 15.5m(51.0ft)~482.9m(1584.4ft) | N/A |
| Illuminator | | |
| Illumination Distance (IR) | Up to 800m(2624.7ft) | N/A |
| Video | | |
| Video Resolution | Main Stream: 4MP (2688×1520): Max.60fps; Sub Stream: 2MP (1920×1080): Max.60fps; Third Stream: D1(720 × 576): Max.60fps; | 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 | Triple streams | |
| OSD | Up to 8 OSDs | |
| Privacy Mask | 24 areas, up to 8 areas per scene | 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° | |
| Defog | Digital defog, Optical defog | N/A |
| Low Illumination Characteristics | ColorHunter with Wise-ISP | |
| Intelligent | | |
| Smart Intrusion Prevention | Cross line detection, intrusion 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) |
| Smoke Detection | Support | N/A |
| Auto Tracking | Support tracking targets automatically, capturing detailed information at a distance | |
| Detection distance for vehicles (4 × 1.4 meters) | N/A | 1500m |
| Detection distance for personnel (1.8 × 0.5 meters) | N/A | 750m |
| 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 fire (2 × 2 meters) | N/A | 4500m |
| UMD (Ultra Motion Detection) | Support | N/A |
| Audio | | |
| Audio Compression | G.711U, G.711A | |
| Audio Bitrate | 128 Kbps | |
| Two-way Audio | Support | |
| Sampling Rate | 16KHZ | |
| Storage | | |
| Edge Storage | MicroSD, up to 512 GB | |
| Network Storage | ANR, NAS (NFS) | |
| 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 T), API, SDK | |
| User/Host | Up to 32 users. 3 user levels: administrator, common user and operator | |
| Client | EZStation, UNV-Link, UNV-Link Pro | |
| PTZ | | |
| Pan Range | 360° (endless) | |
| Pan Speed | 0.02°/s ~ 140°/s | |

| | | |
|-------------------------|---|-----------------------|
| Tilt Range | -90° ~ 45° | |
| Tilt Speed | 0.02° ~ 50°/s | |
| Number of Presets | 1024 | |
| Preset Image Freeze | Support | |
| Home Position | Support | |
| Number of Presets (IPC) | 1024 | |
| 3D Positioning | Support | |
| Number of Patrol | 16 | |
| Interface | | |
| Audio I/O | 1 Input: impedance 1 kΩ, amplitude 2.5 V [p-p], 1 Output: impedance 600 Ω, amplitude 2 V [p-p] | |
| Alarm I/O | 7/2 | |
| Serial Port | 1 × RS485 | |
| Network | 1 × RJ45 10 M/100 M/1000 M Base-TX Ethernet + 1 × 100 M/1000 M SFP | |
| Video Output | N/A | 1 BNC (for debugging) |
| General | | |
| Power | DC 48V±25%、DC 24V±15%、AC 24V±25% | |
| Power Consumption | Max 135W | |
| Power Interface | Wires with cold-pressed terminal | |
| Dimensions | 366 x 283 x 509 mm (14.4" x 11.1" x 20.0")(L x W x H) | |
| Weight | 17.98kg(39.64lb) | |
| Working Environment | -40 °C to 70 °C (-40 °F to 158 °F), Humidity: ≤ 95% RH (non-condensing) | |
| Storage Environment | -40 °C to 70 °C (-40 °F to 158 °F), Humidity: ≤ 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 | |
| Certification | | |
| Protection | IP66 | |
| Environment | CE-RoHS (2011/65/EU;(EU)2015/863);WEEE(2012/19/EU) | |
| EMC | CE-EMC (EN 55032, EN 61000-3-3, EN IEC 61000-3-2, EN 55035) FCC(FCC47CFRpart15B) | |
| Live View | | |
| OSD Font | Vector | |
| OSD Character Number | 40 | |

DRI Description

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

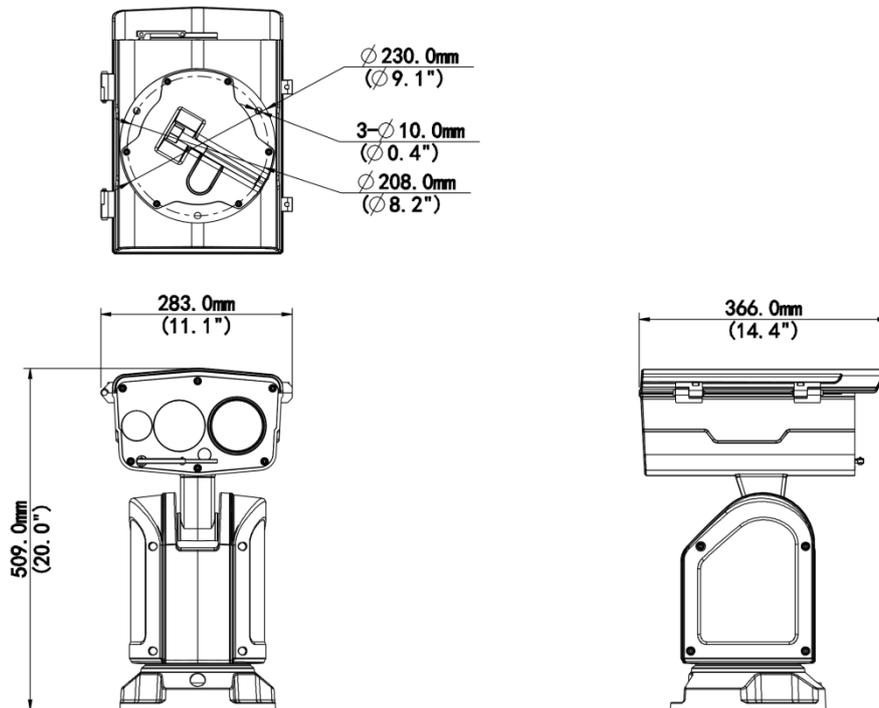
Detection Range: In order to distinguish an object from the background, the object must be covered by 1.5 or more pixels.

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.

| 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) |
|--|--|--|--|---|---|
| 8385m | 3248m | 2096m | 812m | 1398m | 541m |

Dimensions



Accessories

TR-WM08-B

Wall Mounting Bracket for Explosion-proof
Pan-Tilt



Unlimited New View

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