



SN-TPT6436ZZ-M

Thermal & Optical Bi-spectrum PTZ Camera



Key Features

- Uncooled VOx thermal sensor with 640×512 resolution
- 25/50/75/100 mm motorized focus thermal lens, 37x optical zoom module
- Support human/vehicle detection, fire point detection, smoke and fire detection
- Intelligent analysis: intrusion, single line crossing, double line crossing, loitering, wrong-way, people counting, enter area, leave area
- Support 3 temperature measurement rule types (spot, line, area)
- Reliable temperature-anomaly alarm
- Temperature measurement range: -20°C ~ 150°C (-4°F ~ 302°F)
- Power off self-locking, strong wind resistance
- NDAA Compliance, Anti-frozen, IP66

Specification

| Thermal Module | | | | |
|---|--|-------------|-------------|------------------|
| Image Sensor | Uncooled VOx Focal Plane Arrays | | | |
| Resolution | Sensor is 640x512. Image can be scaled up to 1280x1024 | | | |
| Pixel Pitch | 12 um | | | |
| NETD | ≤ 40 mK | | | |
| Spectral Range | 8 ~ 14 um | | | |
| Image Setting | Brightness, Sharpness, Contrast, Mirror, FFC control, 2D/3D DNR | | | |
| Pseudo-color Setting | White-hot/Black-hot/Rainbow/Ironbow etc. up to 17 modes | | | |
| Thermal Lens | | | | |
| Focus Control | Motorized Focus | | | |
| Focal Length | 25 mm | 50mm | 75 mm | 100mm |
| F No. | F1.0 | F1.0 | F1.0 | F1.0 |
| Angle of View | H:17°, V:14° | H: 8°, V:7° | H: 6°, V:5° | H: 4.3°, V: 3.5° |
| Detection Distance (Fire: 1*1m) | 1042 m | 2083 m | 3125 m | 4,167m |
| Detection Distance (Humans: 1.8*0.5m) | 1040 m | 2081 m | 3121 m | 4,161m |
| Detection Distance (Vehicles: 4*1.5m) | 3194 m | 6389 m | 9583 m | 12,778m |
| Recognition Distance (Humans: 1.8*0.5m) | 260 m | 520 m | 780 m | 1,040m |
| Recognition Distance (Vehicles: 4*1.5m) | 799 m | 1597 m | 2396 m | 3,194m |
| Optical Module | | | | |
| Image Sensor | 1/1.8" Sony CMOS | | | |
| Effective Resolution | 2592 (H)x1520 (V) | | | |
| Shutter Speed | 1/5 ~ 1/20,000s | | | |
| Min. Illumination | Color: 0.001 Lux, B/W: 0.0001 Lux | | | |
| S/N Ratio | More than 55 dB | | | |
| Focal Length | 6.8 to 251mm | | | |
| Max Aperture | F1.5 to F4.8 | | | |
| Angle of View | H: 60.7° ~ 2.33°, V: 36.8° ~ 1.38° | | | |
| Optical Zoom | 37x | | | |
| Focus Control | Auto/Manual/Semi-automatic | | | |
| Mirror | Support | | | |
| Defog | Support | | | |
| Privacy Masking | Support | | | |
| PTZ | | | | |
| Pan/Tilt Range | Pan: 0° ~ 360° endless, Tilt: +40° ~ -75° | | | |
| Pan/Tilt Speed | Pan: 0.01° ~ 60°/s, Tilt: 0.01° ~ 30°/s | | | |
| Wiper | Support | | | |
| Preset Accuracy | ± 0.2° | | | |
| Presets | 400 | | | |
| Scan | 8 scans, up to 32 presets per scan | | | |
| Patrol | 12 patrols, up to 32 presets per scan | | | |
| Track | 6 tracks | | | |
| 3D Positioning | Support | | | |
| Speed Setup | Auto/Manual (0-8) | | | |
| Power Off Memory | Support | | | |
| Idle Motion | It can activate Preset/ Scan/Tour/Pattern if there is no command in the specified period | | | |

| Video and Audio | |
|-----------------------|---|
| Main Stream | Thermal: 1280x1024, 1280x720, 640x512 @25fps Optical: 2592x1520, 2560x1440, 2304x1296, , 1920x1080, 1280x720 @ 25/30fps |
| Sub Stream | Thermal: D1, CIF @25fps Optical: D1, VGA, 640x360, CIF, QCIF, QVGA @25/30fps |
| Bit Rate Control | CBR/VBR |
| Bit Rate | Thermal: 100Kbps~8Mbps Visible: main stream: 200Kbps~12Mbps, sub stream: 100Kbps~6Kbps |
| Region of Interest | Off/On (8 Zone, Rectangle) |
| Audio Compression | G.711 (8kbps), RAW_PCM (16kbps) |
| Smart Function | |
| Smart Alarm | Motion detection, Disk alarm, I/O alarm, Temperature detection and alarm |
| Smart Detection | Support human/vehicle detection, fire point detection, smoke and fire detection |
| Intelligent Analysis | Intrusion, Single line crossing, Double line crossing, Loitering, Wrong-way, Enter area, Leave area (these 7 function support accurate detection of people/vehicles), People counting |
| Temperature Detection | |
| Temperature Detection | 3 temperature measurement rule types, 20 rules in total, 1 full screen, 19 others (spot, areas, line). |
| Temperature Alarm | Over temperature alarm, Temperature difference alarm |
| Accuracy | ±2°C / ±2% |
| Response Time | ≤ 30ms |
| Temperature Range | -20°C to 150°C (-4°F to 302°F), -20°C to 550°C (-4°F to 1022°F) Customizable |
| Network | |
| Protocols | IPv4/IPv6, HTTP, RTSP/RTP/RTCP, TCP/UDP, DHCP, DNS, PPPOE, SMTP, 802.1x |
| Interoperability | ONVIF, SDK |
| Max. User Access | 10 Users |
| Web Viewer | <IE11, Chrome, Firefox, Microsoft Edge |
| Web Language | English, Chinese, Polish, Italian, Portuguese, Spanish, Russian, French, Czech, Hungarian |
| Interface | |
| Network Interface | 1 Ethernet (10/100 Base-T) RJ-45 Connector |
| Audio Interface | 2ch Audio In, 2ch Audio Out |
| Alarm Interface | 9ch Alarm In, 4ch Alarm Out |
| RS485 | Support |
| CVBS Interface | Support |
| Reset Button | Support(Built-in) |
| SD Card Slot | Built-in, up to 256GB |
| General | |
| Power Supply | DC36V |
| Power Consumption | Max 100 W |
| Working Temperature | -40°C ~ 60°C (-40°F ~ 140°F) |
| Storage Conditions | 0 ~ 90% RH |
| Certifications | CE /FCC |
| Ingress Protection | IP66 |
| Casing | Metal |
| Dimensions | 294 x420 x536 mm (11.57 x 16.54 x 21.1 inch) |
| Net Weight | 27 kg (59.5 lb) |

Dimensions (mm)

