

PTZ-TO6266-75C2L

Thermal & Optical Bi-spectrum Network Positioning System



PTZ-TO6266-75C2L Thermal & Optical Bi-spectrum Network Positioning System is applied to frontier defense occasions, maritime defense occasions, port monitoring, airport perimeter security, and so on. The pre-alarm system helps you discover unexpected events immediately and protects you from property loss.

Smart Function (Thermal Imaging)

- Leading image processing technology: Adaptive AGC, DDE, 3D DNR, NETD < 40mk (@25°C, F#=1.0)
- Smart tracking: Panorama tracking, Event tracking and Multi-scene patrol tracking
- Smart tracking linkage: thermal view and optical view
- Powerful behavior analysis algorithm: Line crossing, Intrusion, Region Entrance & Exit
- Reliable temperature exception alarm function
- Advanced fire detection algorithm

Thermal Imaging Module Function

- 640*512 resolution, high sensitivity sensor, support contrast adjustment
- Support shutter adjustment in various modes
- 3D DNR, 15 palettes of color adjustable, image detail enhancement

Specifications

| Parameter | | Model | PTZ-TO6266-75C2L | |
|-----------------------|-------------------------|---|------------------|--|
| | | Thermal & Optical Bi-spectrum Network Positioning System | | |
| Thermal module | Image sensor | Vanadium Oxide Uncooled Focal Plane Arrays | | |
| | Max. Resolution | 640 × 512 | | |
| | Detector Pitch | 17μm | | |
| | Response waveband | 8μm to 14μm | | |
| | NETD | < 40mk(@25°C,F#=1.0) | | |
| | Lens (focal length) | 75 mm | | |
| | MRAD | 0.23 mrad | | |
| | Field of View | 8.3° × 6.64° | | |
| | Min. Focusing Distance | 8 m | | |
| | F number | 1.0 | | |
| Optical camera | Image Sensor | 1/2.8" Progressive Scan CMOS | | |
| | Min. Illumination | Color : 0.05Lux @ (F1.8, AGC ON) B/W : 0.01Lux @ (F1.8, AGC ON) | | |
| | Focal Length | 6.7-330mm, 49x | | |
| | Digital Zoom | 16 X | | |
| | Field of View | 41.3° - 1.2° (Wide-Tele) | | |
| | Min. Working Distance | 10-1500mm(Wide-Tele) | | |
| | Aperture Range | F1.8-F6.1 | | |
| | Focus Mode | Auto / Semiautomatic / Manual | | |
| | WDR | Digital | | |
| | Shutter Time | PAL: 1-1/30,000s / NTSC: 1-1/30,000s | | |
| | White Balance | Auto / Manual /ATW/Indoor/Outdoor/Daylight lamp/Sodium lamp | | |
| | Day & Night | IR Cut Filter | | |
| | Privacy Mask | 24 privacy masks programmable; optional multiple colors and mosaics | | |
| | Optical Defog | Yes | | |
| | Enhancement | 3D DNR | | |
| Smart function | VCA | Support 4 VCA rule types (Line Crossing, Intrusion, Region Entrance, and Region Exiting), 10 scenes and 8 VCA rules for each scene. | | |
| | Temperature Measurement | Support 3 temperature measurement rule types, over 256 presets as scene, 21 rules of each scene (10 points, 10 regions, and 1 line) | | |
| | Temperature range | -20 °C to 150 °C (-4 °C to 302 °F) | | |
| | Temperature accuracy | ± 8 °C (14.4 °F) | | |
| | Fire detection | Support 10 fire points | | |
| PTZ | Movement Range | Pan: 360° Continuous Rotate; Tilt: From -90° to + 40° (auto flip) | | |
| | Pan Speed | Configurable, From 0.1°/s to 110°/s | | |
| | Tilt Speed | Configurable, From 0.1°/s to 50°/s | | |
| | Proportional Zoom | Yes | | |
| | Presets | 300 | | |
| | Patrol Scan | 8; Up to 32 Presets Per Patrol | | |
| | Pattern Scan | 4; More Than 10 Minutes Per Pattern | | |
| | Power Memory | Off | Yes | |
| | Park | Preset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panorama Scan | | |
| | PT Status | Turn On/Turn Off | | |
| | Scheduled Task | Preset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panorama Scan/Doom Reboot/Doom Adjust/Aux Output | | |
| Infrared | IR Distance | Up to 500m | | |
| | IR Intensity and Angle | Auto Adjust | | |

| | | |
|--------------------|---------------------------|--|
| Network | Main Stream | Optical Light: 50Hz:25fps(1920×1080), 25fps(1280×960), 25fps(1280×720) Optical Light: 60Hz:30fps(1920×1080), 30fps(1280×960), 30fps(1280×720) Thermal: 50fps (640 × 512) |
| | Sub stream | 50Hz:25fps (704 × 576), 25fps (352 × 288), 25fps (176 × 144) 60Hz:30fps (704 × 480), 30fps (352 × 240), 30fps (176 × 120) Thermal: 50fps (640 × 512) |
| | Video compression | H.264 (Baseline/Main/High Profile) /MJPEG/MPEG4 |
| | Audio compression | G.711u/G.711a/G.722.1/MP2L2/G.726/PCM |
| | Protocols | IPv4/IPv6,HTTP,HTTPS,802.1x,Qos,FTP,SMTP,UPnP,SNMP,DNS,DDNS,NTP,RTSP,RTCP,RTP,TCP,UDP,IGMP,ICMP,DHCP,PPPoE,Bonjour |
| | Simultaneous live view | Up to 20-ch |
| | User/Host level | Up to 32 users, 3 levels: Administrator, Operator, User |
| | Security measures | User authentication (ID and PW), MAC address binding, HTTPS encryption, IEEE 802.1x access control, IP address filtering |
| Integration | Alarm Input | Up to 7-ch Relay Input (0-5V DC) |
| | Alarm Output | Up to 2-ch; Support Alarm Linkage |
| | Alarm Action | Preset/Patrol Scan/Pattern Scan/SD Card Record/Relay Output/Smart capture/FTP upload/Email linkage |
| | Audio Input | LINE_IN Input/MIC Input; Peak: From 2 to 2.4V[p-p]; Output Impedance: 1KΩ±10% |
| | Audio Output | Linear Level; Impedance: 600Ω |
| | Communication Interface | Built-in RJ45; 10M/100M Ethernet Interface |
| | Onboard Storage | Built-in Micro SD/SDHC/SDXC Card Slot, Up to 64GB; Support Manual/Alarm Recording |
| | Analog Video Output | 1.0V [p-p]/75Ω, PAL/NTSC/BNC |
| | RS485 | Half-Duplex, PELCO-P and PELCO-D Self-adaptive |
| | API | Open-ended API, support ISAPI; Support SDK and Third-party Management Platform |
| | Client | iVMS-4200 |
| | Web Browser | IE 7+, Chrome 18+, Firefox 5.0+, Safari 5.02+; Multiple Languages |
| General | Menu | English |
| | Wiper | Yes |
| | Power | 24V AC, 120W |
| | Work Temperature/Humidity | From -40°C to 60°C (-40°F to 140°F); Humidity: 90% or Less |
| | Protection Level | IP66 Standard; TVS 6000V Lightning Protection, Surge Protection and Voltage Transient Protection |
| | Dimensions | 486.1 mm × 351.6 mm × 450.3 mm (19.14" × 13.84" × 17.73") |
| | Weight | Approx. 19kg (41.89lb) |

Wide Range Coverage for Different Specifications

Note: The table below is only for reference, the performance varies from model to model, and the specific data is based on 17 μm detector pitch.

| Lens (focal length) | 7mm | 10mm | 15mm | 25mm | 35mm | 50mm | 75mm |
|---------------------------------|------|------|-------|-------|-------|-------|-------|
| Detection range (Vehicles) | 631m | 902m | 1353m | 2255m | 3157m | 4510m | 6765m |
| Detection range (Humans) | 206m | 294m | 441m | 735m | 1029m | 1471m | 2206m |
| Recognition range (Vehicles) | 158m | 225m | 338m | 564m | 789m | 1127m | 1691m |
| Recognition range (Humans) | 51m | 74m | 110m | 184m | 257m | 368m | 551m |
| Identification range (Vehicles) | 79m | 113m | 169m | 282m | 395m | 564m | 846m |
| Identification range (Humans) | 26m | 37m | 55m | 92m | 129m | 184m | 276m |

Smart functions Range Table

Note: The table below is only for reference, the performance varies from model to model, and the specific data is based on 17 μm detector pitch.

| | | | | | | | |
|--|------|------|------|-------|-------|-------|-------|
| Lens (focal length) | 7mm | 10mm | 15mm | 25mm | 35mm | 50mm | 75mm |
| VCA range (humans) | 50m | 72m | 110m | 183m | 255m | 360m | 540m |
| VCA range (Vehicles) | 144m | 205m | 308m | 514m | 720m | 1029m | 1544m |
| Temperature measurement (Object:2x2 m) | 164m | 234m | 351m | 585m | 819m | 1170m | 1775m |
| Temperature measurement (Object:1x1 m) | 83m | 118m | 177m | 295m | 413m | 590m | 885m |
| Fire Detection (Object:2x2 m) | 412m | 588m | 882m | 1470m | 2058m | 2940m | 4410m |
| Fire Detection (Object:1x1 m) | 206m | 294m | 441m | 735m | 1029m | 1470m | 2205m |

Order Models

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Dimensions

