

OGI Dual-spectrum Explosion-Proof PTZ Camera

MS-7TE464G1



Product Features

- Adopt a new generation of high-sensitivity uncooled infrared detectors, integrating advanced gas imaging algorithms for clearer gas imaging.
- Non-contact, passive gas imaging detection enables rapid localization of methane gas leak sources.
- Combining gas imaging with industrial temperature measurement, the device supports professional temperature analysis and intelligent fire detection capabilities.
- Visible imaging and thermal imaging can meet the requirement for 24/7 security monitoring.
- Dual explosion-proof certification, explosion-proof standard: Ex d IIC T6 Gb/Ex tD A21 IP68 T80°C.
- 304/316L stainless steel body design with encapsulation rating IP68.
- Support ONVIF standard protocols, with SDK and accompanying software available.

Product Specifications

| Technical Specifications | | OGI Dual-spectrum Explosion-Proof PTZ Camera |
|--------------------------|------------------------|---|
| Thermal | Sensor Type | VOx uncooled FPA detector |
| | Spectral Range | 7~8.5μm |
| | NETD | ≤20mK(@25°C,F#1.0,25Hz) |
| | Max. Resolution | 640*512 |
| | Pixel Pitch | 12μm |
| | Focal Length | 25mm |
| | Focus Mode | Fixed, motorized focus |
| | FOV | 17.5°×14° |
| | F number | F1.0 |
| | Spatial Resolution | 0.480mrad |
| | Color Palettes | 20 modes selectable such as Blackhot/Whitehot/Rainbow,etc. |
| Visible | Image sensor | 1/1.8inch 4MP CMOS |
| | Max. Resolution | 2688×1520 |
| | Focal Length | 6.5mm~130mm |
| | Focus Mode | Auto/Manual/Semi-auto |
| | FOV | 59.6°×35.9°~ 3.2°×1.8° |
| | Defog | Support optical defog |
| PTZ | Pan Range | 360° continuous |
| | Pan Speed | 0.1°~40°/s |
| | Tilt Range | -90°~+90° |
| | Tilt Speed | 0.1°~40°/s |
| | Scan Mode | Preset/Tour/Scan Patrol/Linear Scan/Pattern |
| Network | Protocols | TCP/IP,UDP,ICMP,HTTP,HTTPS,FTP,DHCP,DNS,RTP,RTSP,RTCP,IGMP,SMTP, NTP, QoS |
| | Interoperability | ONVIF/SDK |
| | Simultaneous live view | Up to 20 channels |
| | User Management | Up to 20 users, 2 levels: Administrator and User |
| | Browser | Support IE, Edge, Chrome, Firefox, and other browsers |
| Video | Max. Resolution | 2688×1520 (Visible) 1280×1024 (Thermal) |
| | Image Encoding Format | JPEG |
| | Audio Compression | G.711A/G.711Mu/PCM/AAC/MPEG2-Layer2 |

| Technical Specifications | | OGI Dual-spectrum Explosion-proof PTZ Camera |
|--------------------------------|-------------------------|---|
| | Video Compression | H.264/H.265/MJPEG |
| | Main Stream | Visible: 50Hz:25fps(2688×1520,1920×1080,1280×720) 60Hz:30fps(2688×1520,1920×1080,1280×720) Thermal: 50Hz:25fps(1280×1024,1280×720,1024×768) |
| | Sub Stream | Visible: 50Hz:25fps(1920×1080,1280×720,704×576,352×288) 60Hz:30fps(1920×1080,1280×720,704×480,352×240)Thermal: 50Hz:25fps(640×512,384×288) |
| Gas Detection | Detection Sensitivity | CH4: 5ml/min |
| | Enhanced Recognition | Support gas enhancement display mode to improve gas detection sensitivity. |
| | Gas Coloring | Support plume coloring |
| | Leak Alarm | Support gas leak detection and linked alarms. |
| Temperature Measurement | Measurement Range | -20℃~+550℃ |
| | Measurement Accuracy | ±2℃ or ±2%, the larger value shall prevail |
| | Measurement Analysis | Temperature measurement tools(Global, Point, Line, Area) and linkage alarm |
| Smart Function | Fire Detection | Yes |
| | Smart Record | Alarm trigger recording, disconnection trigger recording |
| | Smart Alarm | Support alarm trigger of network disconnection, IP address conflict, SD card error, illegal access and burn |
| | VCA | Cross line detection, intrusion detection |
| | Alarm Linkage | Recording/Image capture/Sending Email/PTZ linkage/Alarm output |
| System Interface | Power Supply | AC85V~260V |
| | Communication Interface | RJ45 self-adaptive 10M/100M Ethernet port |
| | Storage Interface | Support Micro SD card (Max.256G) |
| | RS485 | 1 channel |
| General | Operating Conditions | -40℃~+60℃; <90%RH |
| | Encapsulation Rating | IP68 |
| | Power Consumption | ≤100W(thermostat activated) |
| | Dimensions(mm) | 484.5×303×410mm |
| | Weight | 27KG |

MoviSight

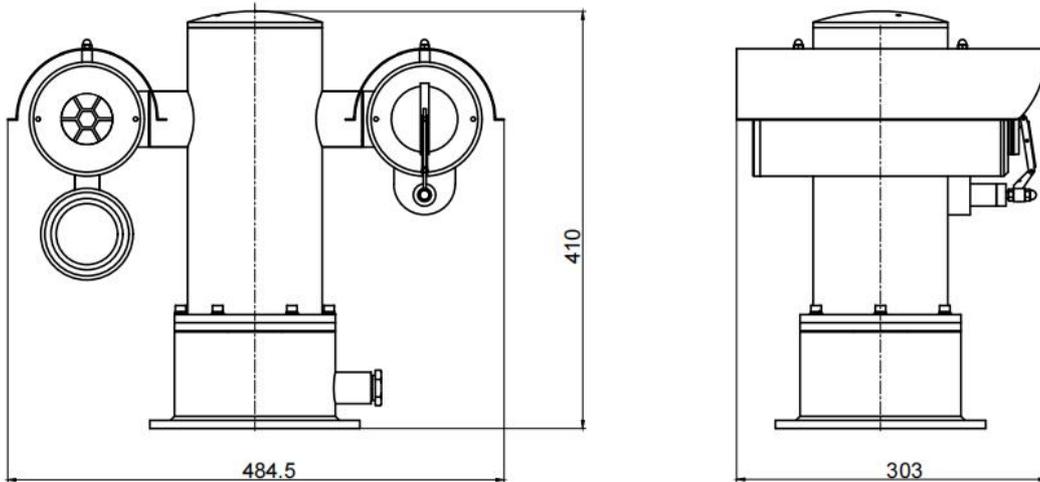
| Technical Specifications | | OGI Dual-spectrum Explosion-proof PTZ Camera |
|--------------------------|--------------------------|--|
| | Explosion-proof Standard | Exd IIC T6 Gb/Ex tD A21 IP68 T80°C |

Effective Range

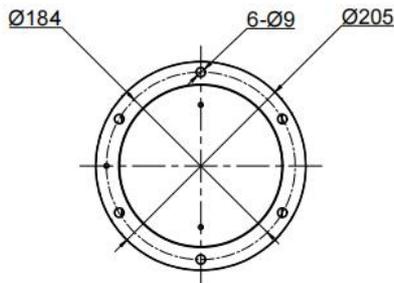
The recommended distance of detecting, recognizing and identifying for man (1.8×0.5m) and vehicle (1.4×4.0m) are as follows:

| Lens | DD (Vehicle) | DD (Man) | RD (Vehicle) | RD (Man) | ID (Vehicle) | ID (Man) |
|------|--------------|----------|--------------|----------|--------------|----------|
| 25mm | 3194m | 1042m | 799m | 260m | 399m | 130m |

Structural Drawings



Mounting Dimensions :



This datasheet is subject to change without prior notice. Please contact us to get the latest datasheet.