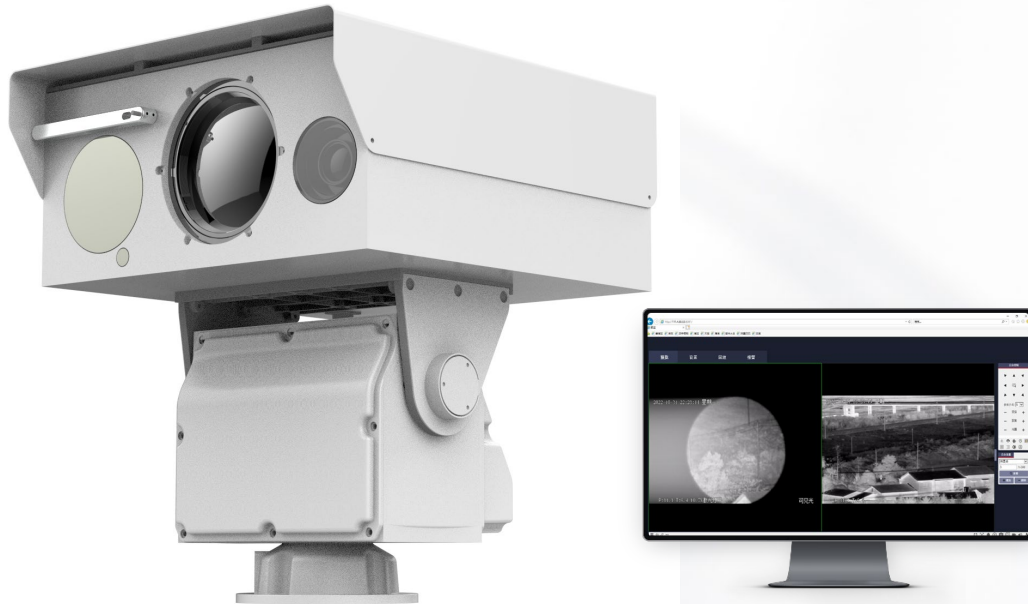


MSxxxx-H

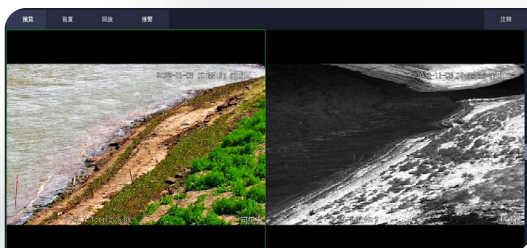
LRF Thermal &
Optical Bi-spectrum PTZ

5km long-distance monitoring, all-round guarding



Introduction

MS Series, integrating visible light and infrared light, supplemented by laser fill light, can achieve 24-hour all-round monitoring with the advantages of clear imaging, long-distance observation, strong environmental adaptability, etc. Its monitoring range of 5 km radius helps the target to be easily found in harsh environments like heavy fog, rainstorm, darkness, making it ideal for wide-range security monitoring and law enforcement forensics. At the same time, IP66 rating, the double worm gears of head and a load-bearing capacity of up to 80KG ensure strong overall wind resistance.



Features and Benefits

- Self-developed 640×512 IR detector and a continuous zoom lens
- 4 MP visible light resolution for Electronic defog, Optical defog, and Heat wave removal, etc.
- Adjustable laser fill light from 0.3 °to 35 °, up to 3000 meters
- Remote upgrade through the network
- Vertical pitch angle ±60°, horizontal 360°
- Automatic line scan and panoramic scanning
- Up to 300 preset points and 8 automatic cruise
- Multiple alarms and the linkage of input and output

Applications

Suitable for large-scale long-distance monitoring, such as Yangtze River protection, long-distance straw burning detection, forest fire detection, border defense, safe city, etc.

Specifications

| Product model | MS6150Z-H | MS12180Z-H |
|-----------------------------|---|---------------------|
| Thermographic | | |
| Detector type | VOx, 8μm to 14μm | |
| IR resolution | 640×512, 17μm | 1280×1024, 12μm |
| NETD | 40mK@30°C | 50mK@30°C |
| Lens | 30mm~150mm | 30mm~180mm |
| Pseudo colors | 9 pseudo colors: White Hot, Black Hot, Rainbow and so on | |
| Featured features | Detail enhancement, 2D/ 3D noise reduction, Image flip | |
| Fire detection distance | 9km (Object 2m×2m) | 15km (Object 2m×2m) |
| Visible light | | |
| Sensor type | 1/ 1.8" CMOS | |
| Max. resolution | 2688×1520 | |
| Min. illuminance | Color: 0.05lux @ (F2.8, AGC ON) | |
| lens | 15mm ~ 775mm, horizontal: 29°(near focus)- 0.6°(far focus), 1m ~10m (near focus to far focus) | |
| Fill light | Laser fill light | |
| Featured features | Electronic defog, Optical defog, Heat wave removal, Visible light gain control, 2D/ 3D noise reduction, Backlight compensation, Wide dynamic, Strong-light photoinhibition, Image flip, Exposure compensation | |
| PTZ | | |
| Pan/Tilt Range | Pan: 0° to 360° endless; Tilt: ±45° | |
| Manual Control Speed | Pan: 0.01 ~ 40°/s; Tilt: 0.01 ~ 20°/s | |
| PTZ Function | Automatic Cruise, Automatic Line Scanning, Panoramic Scanning, Power Outage Memory, Scheduled Tasks, Guarding Tasks, etc. | |
| Image | | |
| Video compression | Switch between three standards H.265, H.264 and MJPEG | |
| Image format | JPEG | |
| Code stream | Visible light: Mainstream (2688×1520/1920×1080/1280×720), Substream (D1/CIF); Thermal imaging: Mainstream (1280×1024/1280×720), Substream (640×512/320×256) | |
| Protocol and storage | | |
| Network protocol | IPv4, HTTP, FTP, SMTP, RTSP, RTP, TCP, UDP, DHCP, ONVIF, GB/ T28181 | |
| SDK/ API | Open SDK/ API for software integration | |
| Local storage | 256G TF card | |
| System function | | |
| Language version | Chinese/ English | |
| Browser | Supported | |
| User management | Max. 20 users with two levels of user accounts (Admin and User) | |
| Fault detection | Network disconnection detection, IP conflict detection, encoder status detection, memory card status detection, storage space detection | |
| Intelligent functions | Tripwire Intrusion, Area Intrusion, Multiple Triggering Rules Linked Actions, etc. | |
| Hardware interface | | |
| Power interface | DC 48V | |
| Network interface | One 10M/ 100M Ethernet port | |
| Alarm interface | 7 input and 2 output | |
| Other interfaces | 1-channel RS485, audio 1 in 1 out | |
| Environmental | | |
| Working temperature | -40°C to +60°C | |
| Encapsulation | IP66, salt spray protection | |
| Physical | | |
| Power consumption | 210W | |
| Size | 494×594×540mm | |
| Net weight | 75kg | |
| Installation mode | Customized bracket | |

