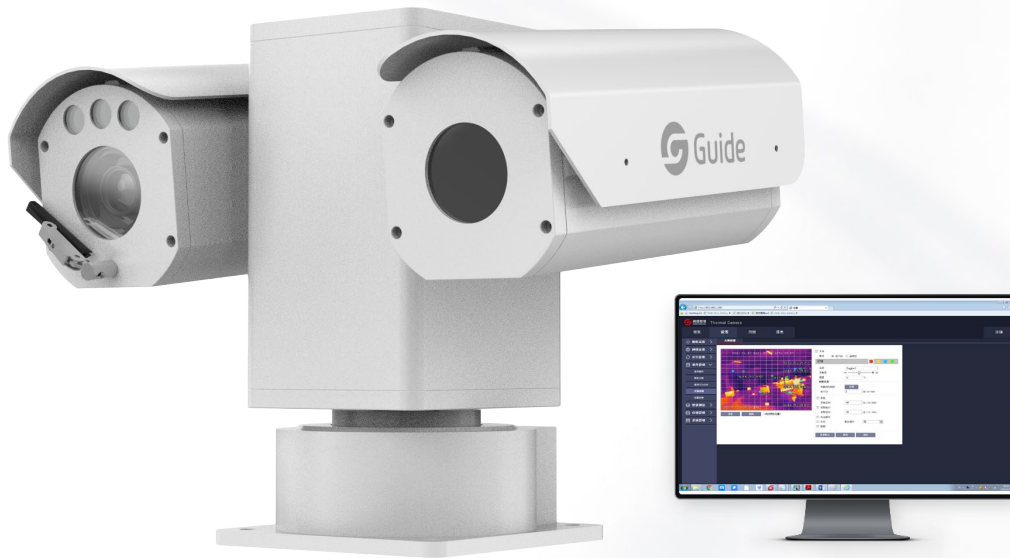


DSxxxxFT-L

Thermal & Optical
Bi-spectrum PTZ

Precise Positioning for Multiple Objects, Safe and Comprehensive



Introduction

DSxxxxFT-L series is designed for medium-range indoor and outdoor monitoring and temperature measurement. With self-developed uncooled VOx microbolometer, the DSxxxxFT-L series features 24-hour monitoring, sharp images and highly accurate temperature measurement in harsh weather conditions. By adopting the worm gear design, the durable DS60xxFT-L series provides precise positioning.



Features and Benefits

- o 400×300/640×512 IR Resolution, 13mm/ 15 mm/25 mm lens
- o PTZ Pan: 0° to 360° endless; Tilt: -90° to +90°
- o Web access for configuration
- o Up to 300 presets and 12 spots/lines/areas for every preset
- o Highly accurate temperature measurement, temperature analysis and alarm in real time and tracking of temperature history
- o Fire detection & alarm and detection of intrusions and tripwire

Applications

For indoor and outdoor scenes, including:

- o Temperature measurement in transformer substations
- o Prevention of straw burning
- o Fire prevention for forests, scenic places and cultural museums
- o Port and petrochemical facilities monitoring

Specifications

| Product model | DS4013FT-L | DS4025FT-L | DS6013FT-L | DS6015FT-L | DS6025FT-L |
|--------------------------------|---|-------------------|------------------|---------------|-------------------------------------|
| Thermographic | | | | | |
| Detector type | VOx, 8μm to 14μm | | | | |
| IR resolution | 400×300, 17μm | | 640×512, 17μm | 640×512, 12μm | 640×512, 17μm / 640×512, 12μm |
| NETD | ≤40mK@30°C | | | | |
| Lens | 13mm, 29.3°×22.2° | 25mm, 15.5°×11.6° | 13mm, 45.4°×37° | 15mm, 29°×23° | 25mm, 25°×20° / 25mm, 17.5°×14° |
| Focusing mode | Focus-free | | | Electric | Focus-free / Electric |
| Pseudo colors | 9 pseudo colors: White Hot, Black Hot, Rainbow and so on | | | | |
| Featured features | Detail enhancement, 2D/ 3D noise reduction, Image flip | | | | |
| Temperature measurement | | | | | |
| Measurement range | Low: -20°C to 150°C; High: -20°C to 550°C | | | | |
| Measurement accuracy | ±2°C or ±2% (whichever is greater) | | | | |
| Target setting | Up to 300 presets; 12 spots/ lines/ areas (circle, square or irregular polygon) for each preset; Measurement for up to 12 simultaneous spot + line + area for each preset | | | | |
| Measurement function | Cold/ hot spot tracking, Full-screen point temperature measuring, Query and export of information | | | | |
| Visible light | | | | | |
| Sensor type | 1/ 1.9" CMOS | | | | |
| Max. resolution | 2560x1440 | | | | |
| Min. illuminance | Color: 0.001lux @ (F1.5, AGC ON); B/W: 0.0001Lux @ (F1.5, AGC ON) | | | | |
| lens | 6.5mm ~ 240mm, horizontal: 61.8 ° (near focus) - 1.86 ° (far focus), 1m-1.5m (near focus to far focus) | | | | |
| Fill light | Infrared fill light | | | | |
| Featured features | 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: -90° to +90° | | | | |
| Manual Control Speed | Pan: 0.1° ~ 30°/s; Tilt: 0.1° ~ 15°/s | | | | |
| PTZ Function | Automatic Cruise, Automatic Line Scanning, Power Outage Memory, Privacy Masking, Idle Movements, Scheduled Tasks, Azimuth Information Display, Preset Point Video Freeze, Image Stabilization, Infrared Fill Light, Rain Wiping, etc. | | | | |
| Image | | | | | |
| Video compression | Switch between three standards H.265, H.264 and MJPEG | | | | |
| Image format | JPEG | | | | |
| Code stream | Visible light: Mainstream (1920×1080, 1280×720) and Substream (1280×720, D1); Thermal: 1280×1024@25Hz, 640×512@25Hz | | | | |
| 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 | 32G 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, IP conflict, encoder status, memory card status and storage space | | | | |
| Intelligent functions | Tripwire Intrusion, Area Intrusion, Multiple Trigger Rules Linked Actions, Target Filtering, Fire Detection Alarm, Hot Spot Tracking, etc. | | | | |
| Hardware interface | | | | | |
| Power interface | DC 24V | | | | |
| Network interface | One 10M/ 100M Ethernet port | | | | |
| Alarm interface | 1 input and 1 output | | | | |
| Other interfaces | 1-channel RS485, audio 1 in 1 out | | | | |
| Environmental | | | | | |
| Working temperature | - 40°C to + 65°C | | - 20°C to + 65°C | | - 40°C to + 65°C / - 20°C to + 65°C |
| Working humidity | ≤90%, non-condensing | | | | |
| Encapsulation | IP67 | | | | |
| Physical | | | | | |
| Power consumption | < 40W | | | | |
| Size | ≤245mm×352 mm ×276 mm | | | | |
| Net weight | ≤7.5kg | | | | |
| Installation mode | Customized bracket | | | | |

