

DS60xxFT-M

Thermal & Optical
Bi-spectrum PTZ

Long-range Inspection of Multiple Objects with All-day Monitoring



Introduction

DS60xxFT-M series is designed for medium-range indoor and outdoor monitoring and temperature measurement. The DS60xxFT-M series features 24-hour monitoring, sharp images and highly accurate temperature measurement in harsh weather conditions.



Features and Benefits

- o 640×512 IR Resolution, 25 mm/50 mm lens
- o PTZ Pan: 0° to 360° endless; Tilt: -90° to +40°
- o Web access for configuration
- o Up to 300 presets
- 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
- o Worm gear design for highly accurate measurement and durable use

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	DS6025FT-M	DS6050FT-M
Thermographic		
Detector type	VOx	
Detector resolution	640×512	
Pixel size	17μm	
Wavelength range	8μm to 14μm	
NETD	≤40mK@30°C	
Lens	25mm, 25°×20°	50mm, 12.4° x 9.9°
Focusing mode	Focus-free	
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	6mm-210mm, horizontal: 61 ° (near focus) - 2.0 ° (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 +40°	
Manual Control Speed	Pan: 0.1° ~ 100°/s; Tilt: 0.1° ~ 40°/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	AC 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	
Working humidity	≤90%, non-condensing	
Encapsulation	IP66	
Physical		
Power consumption	≤120W	
Size	≤390mm×278mm×537mm	
Net weight	≤16.35kg	
Installation mode	Customized bracket	

