

# DSxxxxFT-P

Thermographic Thermal & Optical  
Bi-spectrum Network Speed Dome

Round-the-clock monitoring with high-precision measurement



## Introduction

DSxxxxFT-P series is mainly used in medium-range indoor and outdoor monitoring and temperature measurement application scenarios. The product uses vanadium oxide uncooled infrared detectors, which are not affected by the light environment, and can achieve 24-hour remote monitoring and high-precision temperature measurement. Built-in deep learning pyrotechnic recognition algorithm, with fire detection and alarm functions.



## Features and Benefits

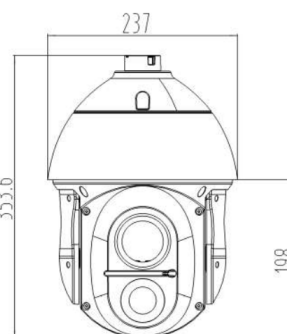
- 400×300/640×512 IR Resolution, 13mm/ 25 mm/50 mm lens
- PTZ Pan: 0° to 360° endless; Tilt: -10° to +90°, auto flip 180°
- Web-side control, no other client software is required for parameter configuration
- With high-precision temperature measurement and early warning functions, fire detection and alarm functions
- Up to 300 temperature measurement preset points can be set
- Each preset point can set 12 temperature measurement objects at the same time
- Support real-time temperature analysis, historical temperature information query function
- Various behavior analysis functions such as tripwire intrusion, region intrusion etc.

## Applications

Suitable for medium-range indoor and outdoor scenes, such as temperature measurement in transformer substations, short-distance straw burning ban, fire prevention in scenic cultural museums, etc.

## Specifications

Product model	DS4013FT-P	DS4025FT-P	DS4050FT-P	DS6013FT-P	DS6015FT-P	DS6025FT-P	DS6050FT-P
<b>Thermographic</b>							
Detector type	VOx, 8μm to 14μm						
IR resolution	400×300, 17μm			640×512, 17μm	640×512, 12μm	640×512, 17μm / 640×512, 12μm	640×512, 17μm
NETD	≤40mK@30°C						
Lens	13mm, 29.3°×22.2°	25mm, 15.5°×11.6°	50mm, 7.7°×5.8°	13mm, 45.4°×37°	15mm, 29°×23°	25mm, 25°×20° / 25mm, 17.5°×14°	50mm, 12.4°×9.9°
Focusing mode	Focus-free					Focus-free / Electric	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						
<b>Temperature measurement</b>							
Measurement range	Low temperature mode: -20°C to 150°C, high temperature mode: -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						
<b>Visible light</b>							
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						
<b>PTZ</b>							
Pan/Tilt Range	Pan: 0° to 360° endless; Tilt: -10° to +90°, auto flip 180°						
Manual Control Speed	Pan: 0.1°~150°/s						
PTZ Function	Automatic Cruise, Automatic Tracking, Automatic Line Scanning, Power Outage Memory, Privacy Masking, Idle Movements, Scheduled Tasks, Image Stabilization, etc.						
<b>Image</b>							
Video compression	Switch between three standards H.265, H.264 and MJPEG						
Image format	JPEG						
Code stream	Visible light: Mainstream (1, 920×1, 080, 1, 280×720) ; Substream: (1280×720、D1); Thermal image stream 1, 280×1, 024@25Hz, 640×512@25Hz						
<b>Protocol and storage</b>							
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						
<b>System function</b>							
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, Target Filtering, Fire Detection Alarm, Hot Spot Tracking, etc.						
<b>Hardware interface</b>							
Power interface	AC 24V/ 3A±15%						
Network interface	One 10M/ 100M Ethernet port						
Alarm interface	1 input and 1 output						
Other interfaces	1-channel RS485, audio 1 in 1 out						
<b>Environmental</b>							
Working temperature	-40°C to + 60°C			-40°C to + 60°C / -20°C to + 60°C		-40°C to + 60°C	
Working humidity	≤95%, non-condensing						
Encapsulation	IP66						
<b>Physical</b>							
Power consumption	≤20W						
Size	≤Φ237mm x 355mm						
Net weight	≤5kg						
Installation mode	Wall mounting/ ceiling mounting						



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