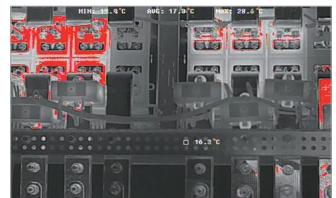
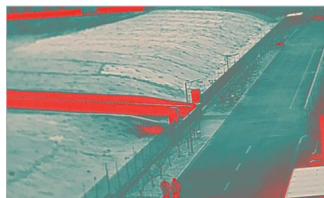


# IRS FB4 series

## Thermal Network Bullet Camera

IRS-FB4 series thermal network camera integrates monitoring function and thermal temperature measurement function. Based on the AI algorithm, the camera is able to detect line crossing, intrusion and region entrance/exit and various measurement rules can be set. With multi-focal length lens optional, it can be widely used for perimeter prevention, industrial temperature measurement, fire prevention in warehouse or gas station.



### 12μm VOx Uncooled Detector

Equipped with new generation InfiRay® 12μm uncooled Vox detector to provide advanced thermal image quality

### High Accuracy

-20°C~+550°C measure range, ±2°C accuracy with various measurement rules

### Smart Video Analysis

Support Line Crossing, Intrusion detection, support fire point detection

### High Compatibility

Provides NVR and VMS client, support ONVIF, provides SDK for development

## Product Specifications

Technical Specifications		IRS-FB430-T				IRS-FB460-T			
Detector type		VOx, uncooled FPA detectors				Thermal			
Spectral range		8~14μm							
NETD		≤40mK(@25°C,F#1.0,25Hz)							
Resolution		384×288		640×512					
Pixel size		12μm							
Focal length		9.1mm	13mm	19mm	25mm	9.1mm	13mm	19mm	25mm
Temperature Measurement									
Measuring range		-20°C ~ +550°C							
Measuring accuracy		±2°C or ±2% (The larger value shall prevail)							
Measurement rules		Support temperature measurement tools such as full frame, spot, line, region and linkage alerts							
Smart Function									
Fire detection		Support fire detection							
VCA		Line crossing / Intrusion detection							
Alarm action		Record / Snapshot / E-mail / Alarm output							
Two-way talk		Support two-way talk							
System Interfaces									
Power		DC 12V±25% / POE(802.3at)							
Network		1×RJ45 10M/100M self-adaptive interface							
RS485		1×RS485, support Pelco							
Audio input		1×audio in							
Audio output		1×audio out							
Alarm input		2×alarm input							
Alarm output		2×alarm output							
Storage interface		Support Micro SD (max. 256G)							
General									
Work temperature		-40°C ~ +70°C; <95%RH							
Protection		IP66							
Power consumption		≤4W							
Dimension (mm)		319.5×121.5×103.6mm							
Weight		≤1.5kg							

## Application



Industrial temperature measurement



Electrical equipment monitoring



Fire prevention



Perimeter surveillance

## About Iraytek

IRay Technology concentrates on developing infrared thermal imaging technologies and manufacturing relevant products, with completely independent intellectual property rights. IRay is committed to providing global customers with professional and competitive infrared thermal imaging products and solutions. The main products include IRFPA detectors, thermal imaging modules, and terminal thermal cameras and imagers.

With R&D personnel accounts for 48% of all employees, 2030 intellectual property projects in terms of IRay have been authorized and accepted: 1299 patented technologies authorized and accepted in China (including those for integrated circuit chips, MEMS sensors design and manufacture, Matrix IV image algorithms, AI-Temp intelligent precise temperature measurement algorithms, IR-Pilot AI infrared smart driving solutions, etc.); 278 trade mark applications in China; 47 patents and patent applications overseas; 133 trade mark applications overseas; 215 software copyrights; and 58 integrated circuit layout designs.

IRay products have been applied in various fields, including industrial thermography, night vision observation, AI, machine vision, automatic driving, security and fire control, Internet of Things, and epidemic prevention and control.



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