![InfiRay logo]

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

Smart Video Analysis

Support Line Crossing, Intrusion detection，support fire point detection

Long Distance Observation

35mm fixed, 55mm fixed or 75mm fixed focal length, support remote observation

High Compatibility

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

Product Specifications

Technical Specifications	IRS-FB460	IRS-FB4S0
Thermal		
Detector type	VOx, uncooled FPA detectors	
Spectral range	8～14μm	
NETD	≤50mK(@25℃,F#1.0,50Hz)	≤40mK(@25℃,F#1.0,50Hz)
Resolution	640×512	1280×1024
Pixel size	12μm	
Focal length	35mm/55mm/75mm	
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%	
Network	1×RJ45 10M/100M self-adaptive interface	
RS485	1×RS485, support Pelco	
Audio input	1×audio in	
Audio output	1×audio out	
Storage interface	Support Micro SD (max. 256G)	
General		
Work temperature	-40℃ ～ +60℃；<95%RH	
Protection	IP66	
Power consumption	≤4W	
Dimension (mm)	334.7×121.5×104.4mm	
Weight	≤1.5kg	≤2kg

Application

| Coast surveillance | Intelligent traffic | Airport security | River monitoring |

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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