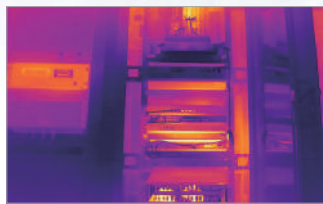




IRS - FB2 series

Dual-Spectrum Thermal Network Camera

IRS-FB2 series dual-spectrum thermal network camera equipped with the advanced thermal detectors and high-resolution visible module. 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. FB225-T series could be used for perimeter defense, fire prevention in warehouse or gas station, or industrial temperature measurement.



12 μ m VOx Uncooled Detector

Equipped with new generation InfiRay[®] 12 μ m uncooled Vox detector to provide advanced thermal image quality

High Accuracy

-20 $^{\circ}$ C~+550 $^{\circ}$ C measure range, \pm 2 $^{\circ}$ C accuracy with various measurement rules

Smart Alarm

Supports event linkage alarm, supports sound or light alarm

Dual-Spectrum Image

Visible light image & thermal image for 24-hours surveillance

Smart Video Analysis

Supports Line Crossing, Intrusion on both visible/thermal channel, supports fire point detection

High Compatibility

Provides NVR and VMS client, compatible with ONVIF, GB28181 protocols, provides SDK for development

Product Specifications

Technical Specifications		IRS-FB225-T	
Thermal			
Detector Type	VOx, uncooled FPA detectors		
Spectral Range	8~14μm		
NETD	≤40mK(@25°C,F#1.0,25Hz)		
Resolution	256×192		
Pixel size	12μm		
Focal length	3.2mm	7mm	10mm
Visible light			
Sensor	5MP 1/2.8" CMOS		
Focal length	4mm	8mm	12mm
FOV	82°×59°	39°×29°	25°×18°
IR distance	Max. 30m		
Dual-spectrum			
Dual-Spectrum Fusion	Display the details of visible channel on thermal channel		
Temperature display	Display the temperature information on the visible light channel		
Temperature measurement			
Range	-20°C ~ +550°C		
Accuracy	±2°C or ±2%		
Measurement rules	3 rule types (point, area, line), 36 rules in total (12 points, 12 areas, and 12 line).		
Smart function			
Fire detection	Support fire detection		
VCA	Line Crossing/Intrusion detection		
Alarm action	Record/Snapshot/E-mail/Relay output		
Two-way talk	Support two-way talk		
System interfaces			
Power	DC 12V±25% / PoE(802.3af)		
Network	1×RJ45 10M/100M self-adaptive interface		
RS485	1×RS485, support Pelco		
Audio input	1×audio in		
Audio output	1×audio out, 1×built-in Speaker		
Alarm input	2×DC 0~5V alarm input		
Alarm output	1×NO relay output		
Edge storage	Support Micro SD (max. 256G)		
Reset button	Support		
General			
Work temperature	-40°C ~ +70°C; <95%RH		
Protection	IP67		
Power consumption	Max.< 6W		
Dimension (mm)	265×99×87		
Weight	≈950g		

Application



Perimeter defense



Fire prevention



Electrical equipment inspection



Building security

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, 930 intellectual property projects in terms of IRay have been authorized and accepted: 718 patented technologies authorized and accepted in China (including those for integrated circuit chips, MEMS sensors design and manufacture, Matrix III image algorithms and intelligent precise temperature measurement algorithms, etc.); 22 patented technologies authorized and accepted overseas; 147 software copyrights; and 43 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.



Tel: 400-998-3088

Mail: infrayvision@iraytek.com

Web: www.iraytek.com/www.infray.com