



## Temperature Measurement Dual-spectrum Thermal Imaging Bullet Camera

IRS-FB462 is a network thermal camera for security and monitoring that integrates thermal camera and visible light camera. The thermal camera resolution is up to 330,000 pixels and the visible light camera resolution is 2,000,000 pixels.

Thermal camera resolution: 640×512

Pixel pitch: 12μm

Visible light camera resolution: 1920×1080

Applicable scenarios: Perimeter prevention, Fire alarm, Warehouse fire prevention, Indoor and outdoor environment monitoring.

### Product Features

Adopting the new generation of InfiRay 12μm uncooled infrared detectors to see farther and clearer.

High-definition dual-spectrum imaging, with a maximum thermal resolution of 330,000 pixels and a visible light resolution of 2,000,000 pixels.

Support independent temperature measurement with built-in professional temperature measurement analysis tools and multiple linkage alarm rules.

Support intelligent behavior analysis such as regional intrusion and tripwire intrusion.

Support intelligent smoke and fire detection.

Support ONVIF and GB28181 protocols.

IP66 protection.

Model	IRS-FB462		
Thermal Camera Specifications			
Detector Type	VOx Uncooled IRFPA detector		
Max. Image Size	640×512		
Pixel Pitch	12μm		
Spectral Band	8~14μm		
NETD	≤ 40mk (@25°C, F#=1.0)		
Focal Length	19mm	25mm	35mm
FOV	22.9°×18.4°	17.5°×14°	12.5°×10°
IFOV	0.632mrad	0.480mrad	0.343mrad
Color Palette	Black hot/White hot/Iron red/Rainbow/... Various palettes optional (18 modes in total)		
Dual-spectrum Fusion	Support dual-spectrum fusion enhancement		
Visible Light Specifications			
Sensor	1/2.7" 2,000,000-pixel high-performance CMOS		
Resolution	1920×1080		
Focal Length	6mm		
White Balance	Support		
Day-night Switching	IR-CUT auto switching		
Digital Denoising	3D denoising		
Light Compensation Function	Infrared compensation, range>30m		

Network Parameters	
Network Protocols	TCP,UDP, ICMP,RTP,RTSP,DHCP,PPPOE,UPNP,DDNS,ON VIF,802.1x,FTP
Synchronized preview channels	6
User Rights	Three levels of user rights: administrator, senior operator, user
Safe Mode	Authorized user name and password
Video Compression Standard	H.264/H.265
Audio Compression Standard	G.711u/ G.722
Video Parameters	
Max. Image Size	1920×1080 (visible light camera)
	640×512 (thermal camera)
Main Stream Image	Visible Light Camera:
	50Hz: 25fps (1920×1080), 25fps (1280×720)
	60Hz: 30fps (1920×1080), 30fps (1280×720)
	Thermal Camera :
	50Hz: 25fps (640×512)
	60Hz: 30fps (640×512)
Sub stream Image	Visible Light Camera:
	50Hz: 25fps (704×576), 25fps (352×288)
	60Hz: 30fps (704×480), 30fps (352×240)
	Thermal Camera:
	50Hz: 25fps (640×512)
	60Hz: 30fps (640×512)

Intelligent Functions	
Fire Point Detection	Support
Accurate Temperature Measurement	Measuring range: $-20^{\circ}\text{C} \sim +550^{\circ}\text{C}$ , Accuracy: $\pm 2^{\circ}\text{C}$ or $\pm 2\%$ , which is larger
Abnormal Temperature Alarm	Support high/low/AVG temperature limit and other temperature measurement rules
Intelligent Alarm	Support linkage alarm of network cable break, IP address conflict, memory full, memory error
Intelligent Detection	Cross border detection, entry detection, exit detection, and abandoned object detection
System Integration	
Communication Interface	One RJ45 10M / 100M self-adaptive, one RS485
Audio Input	1 linear input
Audio Output	1 linear output
Alarm Input	2 channels
Alarm Output	1 channel
Video Output	1 analog video output, supporting CVBS
Storage Interface	Support Micro SD card (up to 64G)
General Specifications	
Operating Temperature and Humidity	$-40^{\circ}\text{C} \sim +70^{\circ}\text{C}$ , RH<95%
IP Grade	IP66
Power Supply	DC12V $\pm 25\%$ / PoE
Power Consumption	$\leq 8\text{W}$
Size	319.5mm $\times$ 121.5mm $\times$ 103.6mm
Weight	$\leq 1.8\text{kg}$

## Product consulting

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[Car Thermal Camera](#)

[Clip on Thermal Scope](#)

[Rico Thermal Scope](#)

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## MODULES

[Micro III Thermal Imaging Module](#)

[Mini Thermal Imaging Module](#)

[LT Temperature Measurement Module](#)

[FT Alarming Thermal Imaging Module](#)

[Phoenix Cooled MWIR Imaging Module](#)

## APPLICATIONS

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