



Far-sighted with all details. FT Series Alarming Uncooled Thermal Imaging Module

[home](#) > [Product](#) > [Thermal Module](#) > [FTthermalmodule](#)

[Micro III](#)[LT](#)[FT](#)[Mini](#)[Phoenix](#)[Tiny1](#)[S0](#)

More sensitive and intelligent to exceed others

With the continuous zoom infrared lens, FT series modules can detect the target several kilometers away, monitor the temperature change of the object in the field of view in real-time, and provide alarm information according to the user-defined gray threshold.

This series is easy to operate with multiple video interfaces, which can meet the application requirements of key regional monitoring, forest fire-prevention, railway safety, and other industries.



•
Special Area Monitoring



Forest Fire Prevention

Model	FT1024	FT640	FT384
Performance			
Detector Type	Uncooled VOx microbolometer		
Resolution	1024×768	640×512	384×288
Pixel Pitch	14μm	17μm	
Detector Frame Rate	30Hz	50Hz	
Spectral Band	8~14μm		
NETD	≤50mK@25°C,F#1.0		
Image Control			

Brightness and Contrast	Manual/Auto 0/Auto 1	
Polarity	Black Hot/White Hot	
Color Palettes	--	Support (9 Types)
Reticle	Display/Hide/Move	
Digital Zoom	1.0~8.0× continuous zoom (Step size 0.1)	
Image Processing	Non-uniformity correction	
	Digital filtering denoise	
	Digital detail enhancement	
Mirror Image	Horizontal/Vertical/Diagonal Mirror Image	
Grayscale Alarm Function		
Grayscale Alarm	Image alarm box mark/LVTTL alarm signal/Serial alarm command	
Alarm Threshold Setting	Available	
Alarm Response Time	≤0.2s	
Lens Control		
Lens Type	Fixed field of view/Continuous zoom	
Athermal Lens	13mm, 19mm, 25mm, 35mm, 50mm, and customized lenses are supportable	

Motorized Lens		75mm,25-75mm,30-150mm,25-225mm, and customized lenses are supported	50mm,75mm,100mm,20-100mm,30-150mm,25-225mm,and customized lenses are supported
Lens Drive	Drive Interface	2 Channels	
	Electric Zoom	Continuous adjustment/Step adjustment (Step 0-32 settable)	
	Electric Focus	Continuous adjustment/Step adjustment (Step 0-33 settable)	
	Auto Focus	Auto focus time≤5s (With potentiometer)	
Power Supply			
Power Supply Range		5~24VDC	
Typical Working Voltage		12VDC	
Power Protection		Overvoltage, undervoltage, reverse connection	
Typical Power Consumption@25°C		<3.2W	<2.3W
			<1.8W

Video Interface			
Video Output	Analog Video	VGA	1 Channel (PAL)
	Digital Video	10-bit/14-bit LVDS-H/F、10-bit/14-bit LVC MOS、BT.1120	10-bit/14-bit LVDS-H/F、10-bit/14-bit LV CMOS、BT.656、BT.1120
Control Interface			
Serial Communication Interface		RS-232 / RS-422/RS-485/UART	
Button		4 Buttons	
Physical Characteristics			
Weight		<120g (Excluding Lens)	
Environment Adaptability			
Operating Temperature		-40°C~+75°C	
Storage Temperature		-45°C~+85°C	
Humidity		5 ~ 95% , Non-condensing	
The data above are for reference only. Specifications in the marketed products shall prevail.			

Product consulting

* Message contents :

Mobile phone :

* Country :

* Product :

E-mail :

Submit

CONTACT US

Marketing Dept.Email:sales@infray.com

HR Email:hr01@infray.com

Sales Hotline:[+86-400-998-3088](tel:+86-400-998-3088)

After sales hotline:[+86-400-883-0800](tel:+86-400-883-0800)

Address:11th Guiyang Street, YEDA,Yantai 264006,P.R.China

IMAGERS

[Thermal Monocular](#)

[Phone Thermal Camera](#)

[Car Thermal Camera](#)

[Clip on Thermal Scope](#)

[Rico Thermal Scope](#)

[Tube Thermal Scope](#)

[Dual spectrum thermal imager](#)

[online monitoring thermal camera](#)

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

[Infrared Thermography](#)

[Security Thermal Camera](#)

[Night Vision](#)

[UAV Thermal Module](#)

[Smart Phone](#)

[Automotive Thermal Camera](#)

Follow Us :





Yantai iRay Technology Co., Ltd. Copyright © 2014-2018 all rights reserved | [Privacy Policy](#) | [鲁 ICP 备 18043449 号-3](#)