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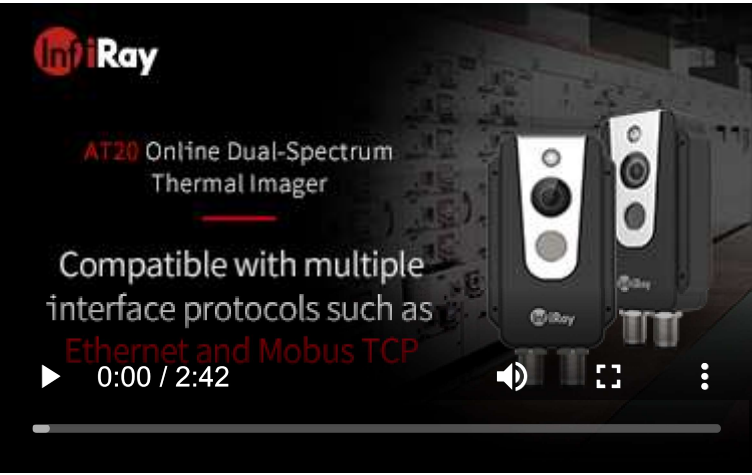
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AT20 Online Dual-Spectrum Thermal Imager



- 256×192 IR Resolution + 200W Visible Light Imaging
- Compatible with Ethernet and multiple interface protocols such as Modbus TCP
- Provide SDK to support all-platform development (Windows\Linux\Andorid\IOS)



Economical and practical

Flexible configuration

Fitting Dimensions to adapt to small space installation; Compatible with Ethernet and multiple interface protocols such as Modbus TCP; Provide SDK to support all-platform development (Windows\Linux\Andorid\IOS).

Remote operation

Support remote reset and upgrade, to reduce the troubleshooting time; Remote access to real-time video and temperature data, convenient for back-end real-time analysis, alarm, and system control.

AT20 Performance Parameters		
Imaging and Optical Data		
Infrared	Resolution	256×192
	NETD	40mK
	Frequency	30Hz
	Lens	3.2mm
	FOV	56°×42°
	Focusing	non-focusing
Visible Light	Visible Light Pixels	2 million(SC2310)
	FOV	72°×61°
	Fill Light	LED
Detector Data		
Detector Type		VOx, Uncooled FPA detector
Spectral Range		8 ~ 14μm
Pixel		17μm
Temperature Measurement		
Object Temperature Range		-20 ~ 550℃
Accuracy		±2℃ or ±2%
Point/Line/Area		maximum 16 points/lines/areas
Palette		18 palettes are available
Environment Variable Correction		distance, atmospheric temperature, emissivity, reflection temperature, atmospheric transmittance
Alarm		
Alarm Function		all temperature measurement points, all temperature measurement areas and the highest temperature, lowest temperature and average temperature in the temperature measurement line can be configured with separate alarm outputs
		1 alarm input (photoelectric isolation, 3~5.5V); 2 alarm output (photoelectric isolation,

Alarm Input/Output		3~25VDC, maximum 85mA)
		Other alarms: save image/video, sending file (FTP), email (SMTP), and flash alarm;
Ethernet		
Ethernet Functions		control, imaging and power supply
Ethernet Connector Type		RJ45/ hotspot of thermal camera
Ethernet Power Supply		PoE is supported
Network Protocol		TCP,UDP,RTSP,HTTP,SMTP
Interface Protocol		ONVIF,GB28181,Modbus TCP,MQTT
Image transmission		
Image Stream	Image Stream Format	H.264/H.265
	Resolution	visible light1080P;
		infrared support super resolution up to 4X,
		Max 1024×768
	Image Mode	thermal image, visible image, fusion, DDE, and parallel display of visible light images are supported.
Frequency Adjustment		supported
Data Stream	Data Stream Transmission	Visible and thermal images, temperature stream, adjustable frequency
Image Storage	Storage Medium	built-in 32GB storage
	Storage Mode	store thermal images and visible images simultaneously.
	File Format	JPG, MP4
	Storage Form	local storage; connected to monitoring systems, such as NVR.
Typical Power Supply		
External Power		12 ~ 30V DC
PoE		IEEE 802.3af
Power Consumption		≤2W
Environmental Data		
Ingress Protection		IP67
Operating Temperature Range		-10 ~ 50℃
Storage Temperature Range		-40 ~ 70℃
Humidity		≤95% (no condensation)
		IEC 61000-4-2(anti-interference)

EMC	Interference) IEC 61000-4-3(anti-radiation)
Shock	25G, IEC68-2-29
Vibration	2G, IEC68-2-6
Physical Data	
Dimension	109×55.9×29.5mm
Weight	170g
Housing Material	Front shell is plastic and rear shell is aluminum alloy. .
Others	
Certification	CE/FCC/ROHS
SDK	Cross-platform SDK that supports secondary development of customers.
External Interface	M12 A type 8-pin, including 10M / 100M adaptive Ethernet port and PoE power supply;
	M12 A type 12-pin, including DC power supply, alarm input and output;

Product consulting

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HR Email:hr01@infiray.com
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After sales hotline:+86-400-883-0800 (tel:+86-535-3410669)
Address:11th Guiyang Street, YEDA,Yantai 264006,P.R.China

IMAGERS

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MODULES

[Micro III Thermal Imaging Module \(/Micro3thermalmodule.html\)](#)

[Mini Thermal Imaging Module \(/Mini.html\)](#)

[LT Temperature Measurement Module \(/LTthermalmodule.html\)](#)

[FT Alarming Thermal Imaging Module \(/FTthermalmodule.html\)](#)

[Phoenix Cooled MWIR Imaging Module \(/phoenixthermalmodule.html\)](#)

APPLICATIONS

[Infrared Thermography \(/gycw.html\)](#)

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[UAV Thermal Module \(/wrjzh.html\)](#)

[Smart Phone \(/zhsh.html\)](#)

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