C200 (/C200-Thermal-Camera.html) P200 (/p200.html) M200A (/M200A.html) C200Pro (/C200Pro.html) M300 (/M300-Thermal-Camera.html) M600 (/M600.html)
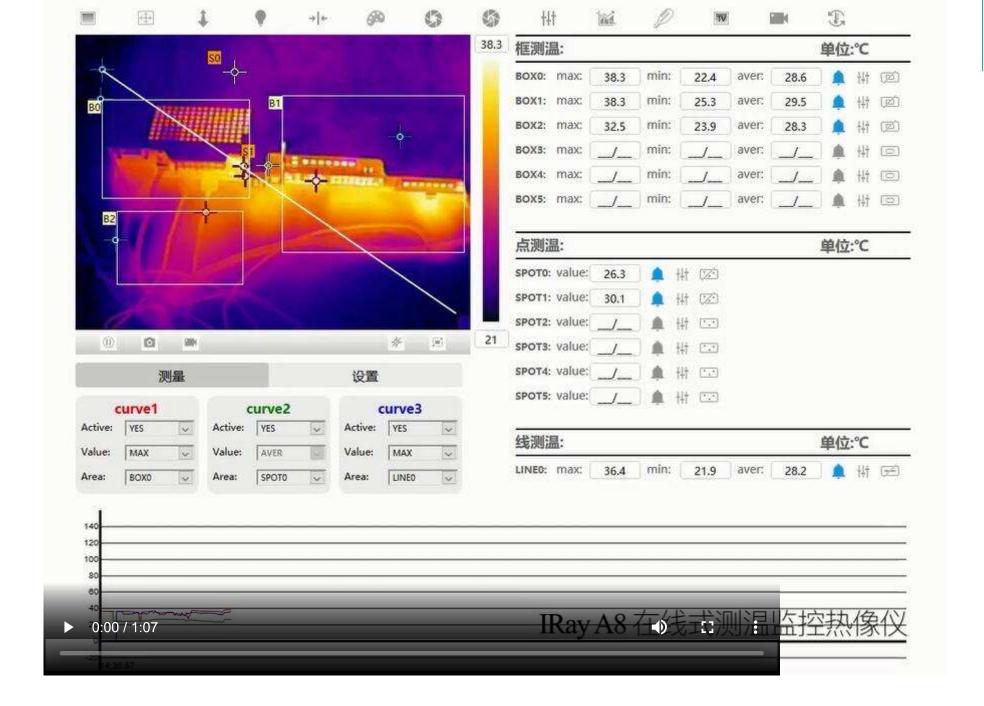
A8 (/A8thermalcamera.html) AT20 (/AT20.html) AT31/61 (/AT31.html) AT31F/61F (/AT31F.html) AT31U (/AT31U.html)

A8 Series Online Temperature Measurement IR Camera

Provide advanced thermal imaging solutions and temperature measuring for field condition monitoring.A8 Series Online Temperature Measurement IR Camera has a built-in InfiRay new VOx detector. With two infared resolutionns available 384×288/256×192, and was integrated with a 1920×1080 visible-light camera, and a LED light, it has higher environmental adaptability. With more advanced Matrix III image algorithm, optimized processing circuit, reduced SWaP, it is easier to use with richer functions.

Extraordinary On-site Monitoring Performance, Specialized For Small Space Monitoring

384×288/256×192 high resolution, thermal sensitivity < 0.06°C, providing high-defifinition images while distinguishing more details or monitoring farther targets.
25Hz frame rate, network interfaces, supporting on-site real-time temperature data transmission.
Measuring range -20°C~+600°C(up to +600°C optional), making it more possible to monitor more industrial targets with high-temperature requirements.
nfrared + visible light dual-vision imaging, supporting single infrared or visible light and dual-light fusion monitoring, all in one.

Smaller Than Playing Cards, Easier To Integrate And Control

Small size, vertical wiring can be installed against the wall, fully optimized for applications in small spaces such as electrical cabinets.
6 color palettes, 2 million visible light resolution, built-in LED light, adapting to complex environments and providing more modes, to improve effiffifficiency and ensure safety.

Powerful Networking Software Support

Fully built-in support for IRay network monitoring and temperature measurement software, capable of both single camera analysis, and multi-camera network monitoring.

Support various communication, network, and monitoring protocols, such as ONVIF.
Support 6 movable points, 1 line, and 6 movable areas for temperature measurement, multiple color palette control, etc. Multiple over-temperature alarm modes with IO port can realize on-site over-temperature alarm Support built-in memory, optional built-in TF card, maximum support 64GB, without worry about offlfflffline information recording.
With IP67 water and dust proof, it can adapt to the industrial site with worse environment and temperature. It can work directly in the place with higher humidi ty or more dust, with less protection to reduce the cost.
Provide Windows/Linux SDK, powerful secondary development support.
Compatible with mainstream monitoring protocols such as ONVIF to achieve better network compatibility.
Ethernet network interface and I/O signal output ensure real-time temperature monitoring and abnormal warning.

Main Specifications			
Model	A8	A8L	A8Z3
Infrared Specfications			
Detector Type	Uncooled VOx IRFPA detector		
Resolution	240×180	256×192	384×288
Pixel spacing	17μm	12μm	17μm
Thermal Sensitivity	<60mK		
Frame Rate	25Hz		

Focusing	Fixed				
Lens	6.8mm	2.3mm	4mm	9mm	6.8mm
FOV(H×V)	33.4°×25.4°	90°×62.5°	42.0°×32.1°	19.6°×14.7°	51.3°×39.6°
Palette	At least 6 Palette(Black hot/ white hot ...)				

Visible Light Specifications

Resolution	1920×1080
Fill Light	Built-in LED

Alarm

Alarm Function	All spots, maximum, minimum and average temp in all areas can be configured with separate alarm output
Alarm Output	I/ O output, log, save image, file send (FTP), email (SMTP), notification

Protocol/ Standard

Protocol/ Standard	TCP/IP、ONVIF、GB/28181

Video Stream

Format	H.264
Video Settings	Manual/Auto

Image Storage

Storage	Built-in memory, optional TF card, max 64GB
Storage Mode	Infrared/ visible images separately/ simultaneously/ Fusion
Storage Format	JPEG、MP4

Software Support

B/S Setting	Support
C/S Setting	Support
SDK	Out put the original temperature data and provide SDK for secondary development

Power Supply And Interface

Voltage and Power Consumption	DC12V, rated power: 1.5W, peak value: 2.5W
Video Interface	Analog Video
Network Interface	Includes 10M/ 100M adaptive Ethernet port and Poe power supply
Alarm Interface	Alarm I/ O interface

Network

Transmission	Ethernet

Temperature Measurement

Measuring Range	-20 °C~ +600°C	-20 °C~ +400°C	-20 °C~ +600°C
Accuracy	±2°C or ±2% of reading		
Point/Line/Area Temp	6 spots, 1 line, 6 areas		
Preset Value	Support		
Emisivity	0.01 ~ 1.0		
Temp Correction	Auto, input value based on reflection		

Environmental Specifications

IP Encapsulation	IP67
Operating Temp	-10°C ~ +50°C
Storage Temp	-30°C ~ +70°C
Humidity	≤95% non-condensing
Physical Specifications	
Dimension	54× 25 × 79（mm）(Without connector)
	54× 25 × 95（mm）（Withconnector）
Optional Accessories	
Optional Accessories	M12X Cable / M12A Cable
	Bracket / Heat Sink

Product consulting

* Message contents：

Please enter your message contents

Mobile phone：

Please enter your mobile phone number

* Country：

Please enter your country

* Product：

Please enter the product you wan

E-mail：

Please enter your E-mail

Submit

CONTACT US

(/contact.html)

Marketing Dept.Email:sales@infiray.com

HR Email:hr01@infiray.com

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

After sales hotline:+86-400-883-0800 (tel:+86-535-3410669)

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

IMAGERS

Thermal Monocular (/eyethermalmonocular.html)

Phone Thermal Camera (/T2thermalcamera.html)

Car Thermal Camera (/AsensMthermalcamera.html)

Clip on Thermal Scope (/clipcthermalscope.html)

Rico Thermal Scope (/Rico.html)

Tube Thermal Scope (/Tube.html)

Dual spectrum thermal imager (/xfusethermalimager.html)

online monitring thermal camera (/A8thermalcamera.html)

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)

Security Thermal Camera (/aqjk.html)

Night Vision (/hwyd.html)

UAV Thermal Module (/wrjzh.html)

Smart Phone (/zhsh.html)

Automotive Thermal Camera (/qcys.html)

Follow Us：

(https://www.facebook.com/InfiRayHQ)

(https://www.instagram.com/infiray_technology/)

(https://iraytek.en.alibaba.com/index.html)

(https://www.linkedin.com/company/22301729/)

(https://www.youtube.com/channel/UC6_A8T1QPf07hciH7l1s7Ug)

(https://twitter.com/InfiRay)