Model		C200H
Thermographic Module	IR Resolution	256×192
	Pixel Pitch	12μm
	NETD	<50mK
	Lens	3.2mm
	FOV	56°×42.2°
	IFOV	3.8mrad
	Focusing	Focus Free
Thermaography	Measuring Tools	Center Spot / Hot Spot / Cold Spot
	Measuring Range	30℃~45℃
	Measuring Accuracy	±0.5℃
	Temperature Unit	℃、℉、K
	MRTD	0.1℃
	Emissivity Correction	0.01~1.0 Adjustable
Thermaography	Illumination	LED Lights
	Image Mode	Thermal , Thermal Fusion, PIP（picture-in-picture）, Digital Camera
	Palette	White Hot, Black Hot, Iron, Lava，Rainbow, Rainbow HC, Black Red
	Temperature Alarm	Full Frame Max. Temperature and Min. Temperature Alarm
	Snapshot	Snapshot with Temperature Data
	Save Snapshot	Manual/Auto
	PC Analysis Software	Support
	Display	2.8LCD （320×240)
	SD Card	16GB MicroSD Card
	Battery Type	Rechargeable Li-battery
	Power Interface	USB Direct Charge Type-C
	Charging Time	About 4H @ Power off
	Battery Life	>11H
	Power Management	Adjustable (Automatic shutdown, 5 Minutes, 10 Minutes, 20 Minutes)
Other	Tripod Support	Support (at the Bottom of the Handle)
	Operating Temperature	10℃~+50℃
	Storage Temperature	-20℃~+60℃
	Humidity	10% ~95%, Non-condensing
	Protection Leaccessoriesvel/ Enclosure Protection	IP54 2m Drop
	Size （L×W×H)	237×75×92mm
	Weight	520g
	Accessories	USB Cable, 16GB SD Card, Documentation

■ This manual is for illustrative purposes only. Technical specifications are subject to change without prior notice.

IRay Technology

IRay Technology Co., Ltd. is a wholly-owned subsidiary of Raytron Technology Co., Ltd. (SSE: 688002). As a high-tech enterprise, IRay Technology develops and manufactures infrared FPA detectors, thermal imaging modules, and other products, with completely independent intellectual property rights. We are committed to providing global customers with professional thermal imaging products and solutions. The main products include IRFPA detectors, thermal imaging cores, and terminal products for application.

With R&D personnel accounts for 51% of all employees, IRay Technology owns 311 patented technologies in multiple fields, such as the development of integrated circuit, the design and manufacture of MEMS sensor, and Matrix III image processing algorithms.

IRay products have been applied in various fields, such as aerospace, disease control and prevention, industrial temperature measurement, intelligent surveillance, outdoor observation, ADAS, AIoT, AI, and machine vision.

Schools   Hospitals   Small Business   Public Services Departments

BACK TO WORK   SAFE AND EASY

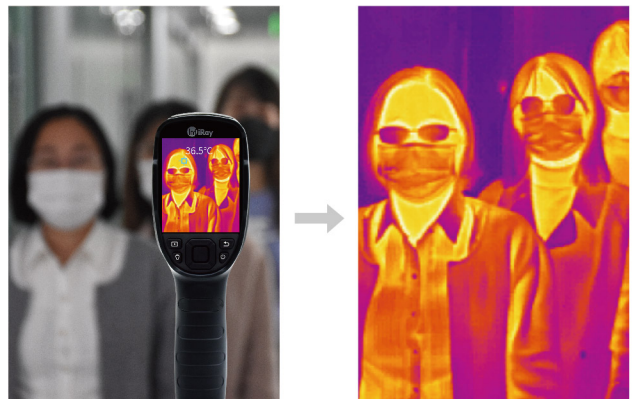InfiRay® C200H Handheld Thermal Camera

36.5℃

56°

Fast & non-contact fever screening，ideal device to protect you, your business & public health, efficiently, and cost effectively.

1

Non-contact，
Ultra Accurate

With InfiRay®'s advanced inferred technology, C200H can help you to avoid cross infection of traditional body temperature measurement.
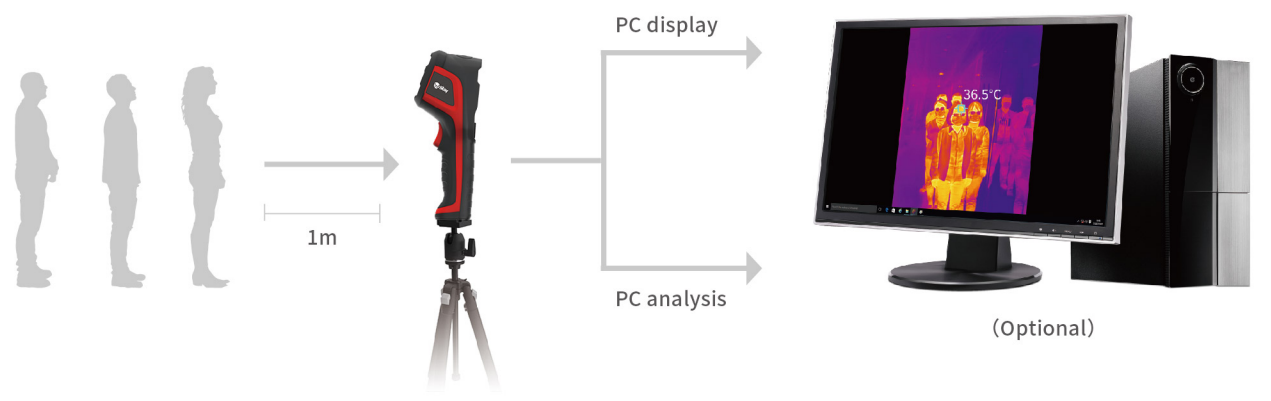
- 256×192 Res. 25Hz frame rate, discrete, efficient, and effective
- ±0.5℃ ultra accuracy, designed for accurate fever screening
- 1m+（3 feet+）safe detection distance, keep your social distance in control

2

Traceable

C200H is designed with smart features like automatic snapshot, when detecting body temperature higher than 37.3℃(99.1°F)，a picture could be taken automatically and trigger the alarm.

- Build-in digital camera, automatic snapshot if spotted fever
- Multiple alarm, LED flash/ PC sound alarm
- Live-view with external PC display support
- PC analysis tools for detailed analysis

PC display

1m

36.5℃

PC analysis

（Optional）

3

Easy to Deploy

InfiRay® also made the C200H a very affordable, easy to use thermal camera for you.

- Ultra affordable, limited budget? Not a problem
- 11hr battery life, deploy-able without power supply
- USB Type-C connector, support 7×24 non-stop screening
- Focus free, settings free, ready to use out-of-the-box
- Dual mode, suitable for both hand-held patrol & fixed tripod

Screen

View Memory button

Back button

LED Light button

Power button

Camera Shutter Trigger

Navigation button

LED Light

Infrared Camera

Digital Camera