

Main Specifications

Model	C200
Detector Type	VOx uncooled infrared detector
Resolution	256×192
Spectral Band	8~14 μm
Pixel Pitch	12 μm
NETD	<50mK
Frame Rate	25Hz
FOV	56°×42.2°
IFOV	3.8mrad
Focusing Mode	Focus-free
Measuring Range	-20 °C~ +550 °C
Temperature Measurement Accuracy	±2°C or ±2% of the reading (the larger one shall prevail)
Temperature Measurement Resolution	0.1°C
Measurement Tools	Center temperature measurement/Hotspot and cold spot tracing
Image Modes	Thermal imaging, fusion, PIP, visible imaging
Palettes	7 palettes
Temperature Alarm	Full frame high/low temperature alarm
Alarm Mode	Support image and LED alarm
Photo Function	Support, with temperature data
Secondary Analysis	Provide PC analysis software for secondary analysis of data
Display Size	2.8LCD (320×240)
Lighting	LED fill-in light
Storage	Standard 16GB SD card, supporting expansion
Tripod support	Support, at the bottom of the handle
Operating Time	11h, @25°C indoor
Charging Time	About 4h, @25°C indoor
Dimension	237×75×92mm
Weight	520g
Operating Temperature	-10°C~+50°C
Storage Temperature	-20°C~+60°C
Operating Humidity	Relative humidity 10%~95%, non-condensing
Drop Protection	2m
IP Grade	IP54



Tianshu C200 Handheld Thermal Camera

See difference



Authorized IRay Distributor:



IRay Technology Co., Ltd.

Tel: +86-400-998-3088 Fax: +86-0535-3410604
Add: No. 11 Guiyang St., Yantai, Shandong, P.R.China
Website: www.infiray.com E-mail: sales@infiray.com

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

Sample No.: DY2021Y001-C Printing time: Apr. 2021



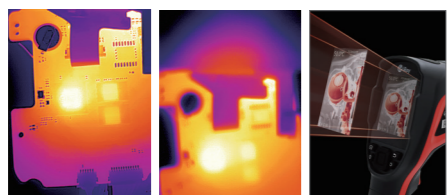
Tianshu C200 Handheld Thermal Camera adopts the infrared detector with nearly 50000 pixels. It has wide temperature range (-20 °C~+550 °C), infrared+visible light fusion, 7 palettes +4 image modes, 11h working time, IP54 protection grade, and 2m drop protection. All these advantages can fully meet the various application needs of electrical diagnostics, machinery/equipment maintenance, building inspection, property and household, and other occasions. It is easy to use, professional, and efficient.



1 Professional Temperature Measurement, Upgraded Functions At Same Price

✓ 256×192 Resolution

Clearer details help you get rid of fuzzy images. Longer available distance ensures operation safety. More details and smaller targets can be observed at the same distance.



Clear image, obvious details | Blur image, lost details | 2.8" LCD display

✓ 11h Ultra-long Battery Life

With the Type-C charging interface, it can be fully charged in 4h. With 11h battery life, it is ready to use without worry about power supply.



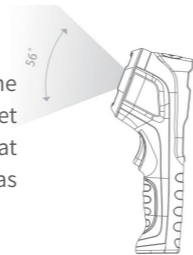
Type-C charging interface

✓ Dual-spectrum Vision

It has infrared+visible light imaging function. Dual-spectrum fusion can better adapt to different observation scenes.

✓ 56° FOV

Focus-free design brings large FOV at the same distance. It can cover the entire electric cabinet at 1m distance and scan 10m² indoor floor at one glance. Inspection in a narrow space has never been easier.



✓ Thermal Imaging/dual-spectrum/picture-in-picture/visible light mode

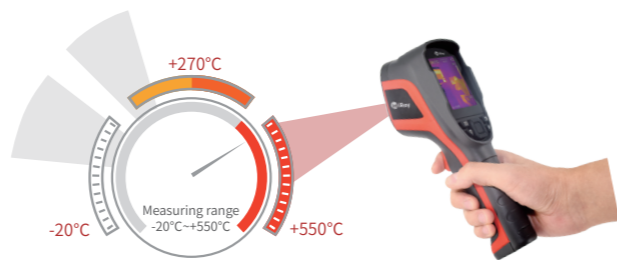
7 palettes can easily locate hot spot and enhance detection efficiency.



Thermal Imaging | Dual vision fusion | Picture-in-picture | Visible light mode

✓ -20°C~+550°C Wider Range, Meet More Needs

From HVAC to automotive maintenance, one good temperature measuring tool is enough.



2 Powerful Performance, Fast Inspection

✓ Built-in high-performance 12μm VOx detector, providing more delicate images.

✓ Auto Tracking Of Highest/lowest-temperature Points

The center/highest/lowest temperature point are displayed in real-time. Image and LED alarm are supported. The alarm threshold could be set for easy troubleshooting.



Center/highest/lowest temperature point | LED alarm | Image alarm

✓ NETD<50mK

Tiny abnormal temperature point is clear. It is also suitable for the inspection of building quality, material defect, and precision devices.

3 Friendly Interaction, Simple Design With Rich Functions

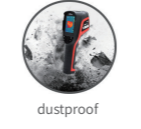
✓ 5 Buttons Easy to operate, pick-and-scan

Measure temperature with ultra-easy button navigation, no additional training needed. Just unpack and power up.



✓ Durable And Free To Work

IP54 protection supports 2m drop protection. It can be handheld or installed on a tripod. Everything is to make you free to work.



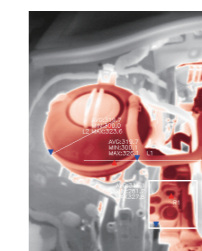
✓ Inspired by boxing gloves, lower gravity center, comfortable to grasp

Its camera trigger has perfect radius with the non-slip texture for better touch. Made of two-color injection molding environmental protection material, the first impression after picking it up is comfortable.



✓ Support PC offline temperature analysis.

The backstage supports professional temperature analysis and image optimization, and click for analysis report.

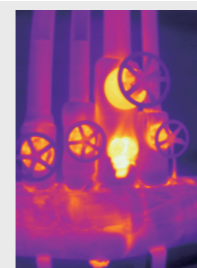


PC offline temperature analysis

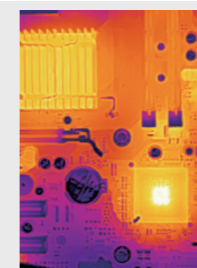
LED light
Used for dark environments
Infrared lens
visible light lens



Application Fields



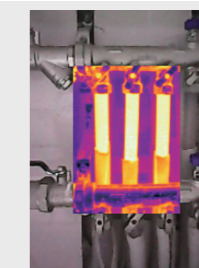
Pipeline Inspection



Product Development



Automotive Maintenance



HVAC Maintenance



Electrical Diagnosis