Main Specifications

		C200 Pro
Thermal Module	Detector Resolution	256×192
	Pixel Size	12μm
	NETD	<40mK
	Focal Length	3.2mm
	FOV	56°×42°
	IFOV	3.8mrad
	Focusing Mode	Focus-free
Temperature Measurement	Temperature Measurement	Central point/highest temperature point/lowest temperature point/3 custom points
	Measurement Range	-20 °C～ +550 °C
	Measurement Accuracy	±2% or ±2°C
	Measurement Unit	°C, °F, K
	Measurement Resolution	0.1°C
	Emissivity	0.01 - 1.0, adjustable
System Function	Frame Rate	20Hz
	Lighting	LED fill-in light
	Image Mode	Thermal imaging, thermal fusion, visible light, PIP, iMIX
	Palette	White-hot, black-hot, molten metal, iron red, rainbow, high-contrast rainbow, black red
	Temperature Alarm	Full frame high/low-temperature alarm
	Alarm Mode	Image alarm, LED indicator alarm
	Automatic Alarm Snapshot	Support automatic alarm snapshot; Photo number and time interval can be set.
	Timed Photographing	Support. Photo number and time interval can be set.
	Photo Storage	Automatic/Manual
	Image Data	Image and temperature data
	USB Video Transmission	Support, real-time analysis of temperature
	PC Analysis Software	Support
	Display Size	2.8LCD （320×240）
	Memory Card	16GB Micro SD card
	Battery Type	Rechargeable lithium-ion battery
	Power Supply	USB direct-charging type-C
	Charging Time	About 4h in the shutdown status
	Operating Time	15H
	Power Management	Adjustable (automatic shutdown, 5 min, 10 min, 20 min)
Others	Tripod Support	Yes, at the bottom of the handle
	Operating Temperature	-10°C~+50°C
	Staging Temperature	-20°C~+60°C
	Relative Humidity	10% - 95%, non-condensing
	IP Grade/Drop Protection	IP54 2m
	Dimension (L × W × H)	237×75×92（mm）
	Weight	520g
	Accessory	USB cable, 16GB SD card, documentation

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TianshuC200 Pro Handheld Thermal Camera

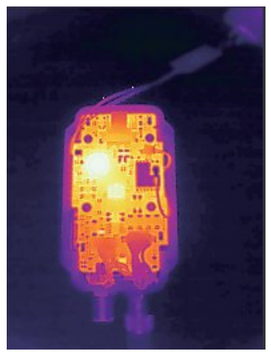
See Difference

InfiRay® Tianshu C200 Pro is a handheld thermal camera with an upgraded thermographic detector. Operating efficiency is upgraded: InfiRay® self-developed high-performance 12μm infrared detector, 256×192 high resolution, and 0.04℃ temperature resolution are C200 Pro’s "trump cards" to provide infrared thermal images of rich details and accurate temperature measurement. With pro-grade 2,000,000-pixel visible light and low lag, it can meet professional work requirements easily. What's more, it features timed photographing, 15h long battery life, plug-and-analyze through USB. Tianshu C200 Pro, powerful upgrade of the detector.

01 Powerful Upgraded Detector

> > Pro-grade high-performance infrared detector

With pro-grade 256×192 resolution, 2,000,000-pixel visible light, and pro-grade low lag, it can meet professional requirements easily. Matrix III intelligent image algorithm optimizes the short-distance imaging. With 56° wide FOV, it provides efficient short-distance details observation, to get clear thermal images with rich details.

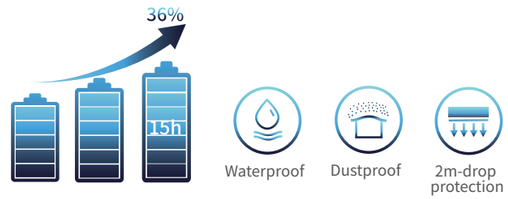


> > Pro-grade built-in thermal imaging functions

For professional users, the built-in timed photographing and automatic alarm snapshot are provided: the number of photos to take and the time interval can be set, and meanwhile, the automatic alarm and snapshot can be set. Besides, it features automatic record and trace of abnormal temperature, real-time record of equipment status separated from PC, target temperature trend, ultra-long battery life, external power supply, and quick deployment.

> > Pro-grade easy-to-use thermal imager

Battery life is improved again: 15h, increased by 36% compared with the last generation. IP54 waterproof and dustproof and 2m drop protection make it easier to use: even in a complicated environment, it can still provide crisp and clear thermal images.



> > Pro-grade software support

For professional users, the analysis function has been greatly upgraded: support plug-and-analyze through USB on PC. It supports not only real-time screen projection and offline image analysis but also full-frame real-time temperature analysis and real-time point/line/area temperature analysis. Click to output reports, helping professional users output infrared inspection results and work efficiently.

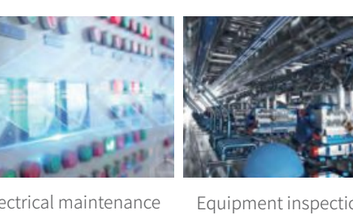
02 Professional · Occupational

> > 0.04℃ temperature resolution and ±2℃ measurement accuracy

C200 Pro can discern subtle temperature differences of the target, which is also applicable to high-accuracy inspection scenarios such as material defect detection and precise component testing.

> > -20℃ - +550℃ wide measurement range

Meet the demands to inspect different industrial temperature targets. C200 Pro can meet all the requirements such as building HVAC and vehicle maintenance.



> > Focus-free design and 56° wide FOV

The focus-free lens, 56° wide FOV, and 256×192 high resolution ensure that the area you cannot approach can be inspected at a safe distance, and meanwhile to get crisp thermal images with rich details.

> > 5 modes +7 palettes

Provide 29 combinations of temperature data heat maps, to support various complicated observation tasks of professionals.

03 Solid · Reliable

> > Continue the famous ID design appearance

Inherited from the last generation, the camera trigger has a perfect radius with a non-slip better touch. The boxing glove appearance and lower gravity center make it convenient to pick up.

> > IP54 +2m-drop protection

It has IP54 waterproof and dustproof performance. With drop protection, even if it falls from 2m height, it still can provide clear thermal images.

> > Handheld or fixed, quick deploy

Besides handheld operation, it also has a 1/4 common threaded interface at the bottom, via which it can be fixed on a tripod for operation. With the USB screen projection analysis function, it can perform better temperature monitoring work.

Application Fields

Electrical maintenance | Equipment inspection | HVAC | Vehicle maintenance | Product R&D