Raythink

CX200+
Handheld Thermal Camera

Equipped with a high-sensitivity infrared detector with a resolution of 256×192, based on an intelligent image algorithm, the CX200+ handheld thermal camera can generate clearer and sharper thermal images. The product has been completely upgraded to give users a better working experience.

Product Highlights

Image+: distinguish smaller temperature differences and more details

- Equipped with a self-developed 12μm 256×192 uncooled infrared detector.
- NETD as low as 40mK, capturing smaller temperature differences.
- Intelligent image algorithm applied, displaying clearer details of temperature measurement targets and sharper images.

Feature+: professional grade, full services based on thermal sensors, catering to all industrial control scenarios

- Shorter startup duration of 6s and smooth operation response.
- Support automatic switching of temperature measurement modes for efficient operations.
- Support built-in video taking to facilitate analysis and recording.

Performance+: rugged, easy to use, and quick to deploy

- IP54 waterproof and dustproof, and 2m drop protection.
- A battery life of 11 hours.
- Built-in 32GB memory card, expandable to 128GB.

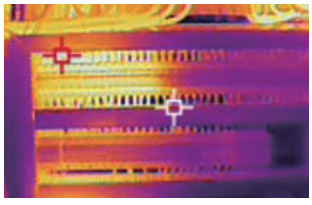
Software+: complete software ecosystem

- Support complete secondary analysis software for PC.

Specifications

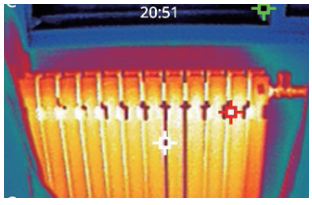
Thermal Imaging	
Detector Type	12μm uncooled infrared detector
Infrared Resolution	256×192
Spectral Band	7.5-14μm
Thermal Sensitivity (NETD)	＜40mK (25°C,F1.0)
Frame Rate	25Hz
Lens Focal Length	3.2mm
FOV	56°×42°
Spatial Resolution (IFOV)	3.75mrad
Focus Mode	Fixed focus
Minimum Imaging Distance	0.3m
Measurement Range	-20°C~+150°C, 100°C~550°C
Measurement Accuracy	±2°C or ±2% of readings, whichever is greater.
Imaging Display	
Display	2.8 inch, 320×240
Visible Light Camera	2 megapixels
Digital Zoom	1×, 2×, 4×
Palettes	7
Image Mode	Infrared, visible light, PIP, dual-spectrum fusion
Temperature Width Stretch	Auto
Measurement and Analysis	
Analysis Functions on the Device	Central temperature point/Highest temperature point/Lowest temperature point
Supporting software	PC (Infrared Analysis Software)
Image Storage	
Storage Medium	Standard 32GB MicroSD, up to 128G
System Functions	
Alarm Type	Highest/Lowest temperature alarm in full frame; Image pop-ups, flash prompts; Auto image capture at alarm time (with temperature data).
Power Management	Auto shut-down setting
Others	
Battery	Built-in rechargeable lithium-ion battery
Charging Mode	USB Type-C
Battery Life	About 11h
Interface	USB Type-C, SD card
Tripod Socket	UNC 1/4-20 interface for tripod
Operating Temperature	-10°C~+50°C
Operating Humidity	10%~95% (non-condensing)
Storage Temperature	-20°C~+60°C
Ingress Protection Rating	IP54
Shock and Vibration	Shock: 25g (IEC 60068-2-27); vibration: 2.5g (IEC60068-2-6)
Weight and Dimensions	About 520g, 237×75×92mm
Authentication	CE/RoHS/CMA, etc.
Packing List	Infrared camera×1, USB cable, 32GB SD card, user manual, storage bag, certificate of qualification, calibration certificate

Applications

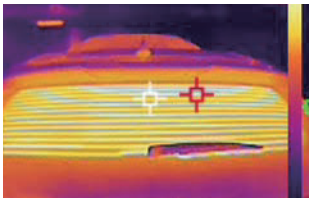


Power Maintenance

Equipment Inspection



HVAC Leak Detection



Automotive Maintenance

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