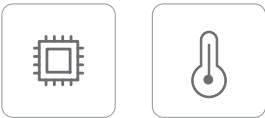# CX200+
# Handheld Thermal Camera

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.
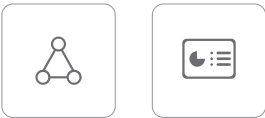
## Product Highlights

### 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.
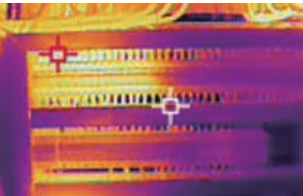- Built-in 32GB memory card, expandable to 128GB.

### 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℃,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℃~+150℃, 100℃~550℃ |
| Measurement Accuracy | ±2℃ 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

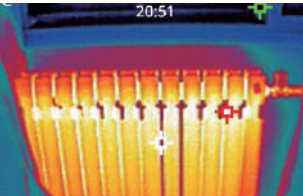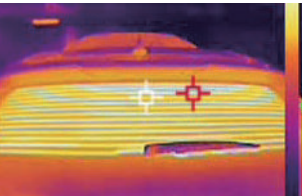| | |
|---|---|
| Battery | Built-in rechargeable lithium-ion battery |
| Charging Mode | USB Type-C |
| Battery Life | About 11h |
| Interface | USB Type-C, SD card |
| Tripod Socket | UNC 1/4-20 interface for tripod |
| Operating Temperature | -10℃~+50℃ |
| Operating Humidity | 10%~95% (non-condensing) |
| Storage Temperature | -20℃~+60℃ |
| 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