

PC230 Tool-Like Thermal Camera

Capture Every Detail at 10m



Introduction

Featuring one-button autofocus and the longer measurement distance, PC 230 can be used under more scenes with 256x192 IR Detector and 2M pixels for visible light. Utilizing the New SharpIR composite image enhancement technology, it can provide you with detailed infrared thermal imaging and dual-light fusion images to help you find potential faults more quickly.

Features and Benefits

- 256x192 infrared module with excellent imaging quality
- Autofocus and measured at 0.5m to 10m
- 16H operating time and 2.5H fast charge
- Turn on in 1 second and full-frame temperature measurement
- IP54 Protection Rating and resistant to 2 meters drop
- 4 Color Palettes to display the temperature
- Wide temperature measurement range up to 550°C
- Type C interface, convenient for data transfer and PC screen projection

Application

- Building Diagnostics
- HVAC Inspection
- Facilities maintenance
- Electrical Application



Specifications

| Model | PC230 |
|---------------------------------|---|
| Imaging and optics | |
| Detector type | VOx |
| Infrared resolution | 256*192 |
| Wavelength range | 7.5~14μm |
| Field angle | 25°*19° |
| Minimum object distance | 0.5m |
| NETD | <50mK |
| Infrared frame rate | 25Hz/9Hz |
| Focusing mode | Focus-Automatic |
| Measurement and analysis | |
| Measurement range | -20°C~150°C, 100-550°C (automatic switching) |
| Measurement accuracy | ±2°C or ±2%, whichever is greater |
| Analyzed target | Center temperature measuring ON/OFF |
| Tracking/alarm | Full-screen high/low temperature alarm; Alarm mode: Visual and audio alarm |
| Temperature measuring parameter | Emissivity, reflected temperature, target distance |
| Image display | |
| Display screen | 2.4" LCD |
| Digital camera | 2M pixels |
| Image mode | IR, VIS, MIF and PIP |
| Image adjustment | Automatic, semi-automatic, manual |
| Palette | 6 pseudo colors such as White Hot, Iron Red, Arctic, Rainbow 2, Hot Iron, Rainbow 1 |
| Storage and transmission | |
| Storage medium | TF card (up to 32G) |
| Image storage format | JPG with temp info |
| External interface | TYPE-C, TF card slot, tripod interface |
| Laser | Class 2 laser, only indicating the measured target |
| WIFI | Yes, it can be connected to the mobile terminal for data transmission |
| Power system | |
| Battery type | Rechargeable lithium-ion battery, non-removable |
| Battery working time | > 16 H |
| Power management | Automatic shutdown, and adjustable shutdown time from 5 min, 10 min to 20 min |
| Charging mode | TYPE-C charging;PC/portable charger;Capable of charging while using |
| Charging time | 90% of full charge in 2.5 hours |
| Environmental parameters | |
| Working temperature | -15°C~50°C |
| Storage temperature | -40°C~70°C |
| IP rating | IP54 |
| Drop | 2m drop test |
| Certificati | CE, FCC, ROHS, UN38.3+ air/sea freight, IP54, 2m, damp heat test, shock vibration test, impact test |
| Physical parameters | |
| Weight | about 375g |
| Size | 194mm*61.5mm*76mm |
| Software kit | ThermoTools |
| Standard | A device, a 16G TF card, a Quick Product Manual, a USB-TYPEC cable, a wrist strap, an adapter |
| Opti | Tripod |