

PF Series

Pocket-sized
Thermal Camera

Operating with great facility



Introduce

The PF Series pocket-sized thermal camera is a non-contact inspection tool for diagnosing problems and finding hidden deficiencies of electrical equipment, thanks to its 256 × 192 pixel infrared detector, -20°C to 550°C temperature range, 5 MP visible light camera and 3.5-inch LCD touchscreen. The extraordinary thermal imaging detail, easy operation and built-in Wi-Fi allow users to quickly and easily share the professional reports that document the problem.



Features and Benefits

- The 256x192 infrared detector produces crisp imagery
- The IR, VIS, PIP and MIF reveal temperature details
- -20°C to 550°C temperature range with auto-switching capability
- Laser ranging and intelligent area calculation of rectangle objects
- Fast image lookback and search for desired functions
- 4 hours of operation and standard Type-C for fast charging

Application

- Electrical inspection
- Automobile repair
- Building diagnostics
- HVAC detection

Specifications

Product model	PF210
Imaging and optics	
Detector type	VOx
Infrared resolution	256 × 192@12μm
Wavelength range	7.5 to 14μm
Focal length	3.2 mm
Field of view	56° × 48°
IFOV	3.75mrad
Minimum object distance	0.3 m
D:S	266:1
NETD	≤45 mK
Infrared frame rate	25 Hz / 9 Hz
Focusing mode	Focus-free
Digital zoom	1.1x to 8x
Measurement and analysis	
Measurement range	Support auto-switching: -20°C to 150°C, 100°C to 550°C
Measurement accuracy	±2°C or ±2%, whichever is greater
Analyzed target	Spot × 2 (Include Center spot), Area × 3
Tracking / Alarm	Full screen maximum/minimum temperature tracking; The maximum or minimum temperature tracking of analyzed target; full screen temperature threshold alarm (image and flash)
Temperature measuring parameters	Emissivity, reflected temperature, target distance
Image display	
Display screen	3.5" LCD
Digital camera	5 MP
Image mode	IR, VIS, MIF and PIP
Image adjustment	Automatic, semi-automatic, manual
Color palettes	White Hot, Black Hot, Iron Red, Hot Iron, Rainbow, Arctic
Functions	
Shooting	Photo
Others	Customized physical button×2
Storage and transmission	
Storage media	Local storage (16 GB)
Image storage	JPG with temp info
External interface	TYPE-C, UNC ¼"-20 (tripod mounting)
Laser	645~655nm, Class 2 laser, < 1mW, indicating the measured target and laser ranging
WIFI	Yes, it can be connected to the mobile terminal for image transmission
Power system	
Battery type	Rechargeable lithium-ion battery, non-removable
Battery working time	≥4 hours
Power management	Timed shutdown and sleep mode
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	-10°C to 50°C
Storage temperature	-40°C to 70°C
IP rating	IP54
Drop	1m drop test
Certification	CE, FCC, ROHS, KC, Anatel, IP54, 1m drop test, Damp heat test, Vibration test, Shock test, Impact test, UN38.3, MSDS
Physical parameters	
Weight	≤296 g
Size (L × W × H)	138 × 89 × 34.4 mm
Software kit	ThermoTools
Standard	A device, Wrist strap, Carrying bag, Quick Start Guide, Power adapter, Adapter plug, Type-C USB cable, Data download card, Certificate of approval
Options	Tripod