PF Series

Pocket-sized
Thermal Camera

Operating with great facility



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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

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°
Minimum object distance	0.3 m
D:S	266:1
NETD	≤60 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
Storage and transmission	
Storage media	Local storage (16 GB)
Image storage format	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

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Guide sensmart | Sensing Beyond Visible

Guide Sensmart Tech Co., Ltd.

Loeffelholzstrasse 20, Haus 12 Eingang Nord, 90441 Nuremberg, Germany

Email: enquiry@guide-infrared.com

*Technical parameters are subject to change without notice. For the latest information, please visit our website: www.guideir.com