



Thermal

Operating with great facility

PF Series Pocket-sized Thermal Camera



Introduction

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.

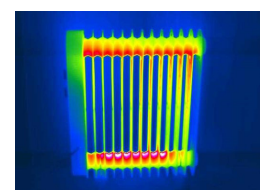
Features

- Next-gen infrared imaging system APEXVISION for ultra-clarity & precision
- 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

Applications



Electrical Application



HVAC Inspection

Specifications

Product model	PF210S
Imaging and optics	
Core Technology Item	Equipped with full ApexVision S1 system architecture: Detector ApexCore S1 + Platform Nexus 1.0 + Algorithm SharpIR 2.0
Detector type	VOx, 7.5 to 14μm
Infrared resolution	256×192@12μm
NETD	15mK
Frame rate	25Hz/9Hz
Focal length	3.2mm
Field of view	56°×42°
IFOV	3.82mrad
Min. object distance	0.3m
D:S	262:1
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
Alarm	Full screen temperature threshold alarm (Image and Flash)
Others	Intelligently calculate the area
Image display	
Display screen	3.5" LCD, touch screen
Image mode	IR, VIS, MIF, PIP
Color palettes	6: White Hot, Black Hot, Iron Red, Hot Iron, Rainbow, Arctic
Image adjustment	Level span mode: Automatic, Semi-automatic, Manual
Digital camera	5MP
Functions	
Laser	Laser (Indication, Ranging)
Recording function	Photo
Cloud Services	Available
Others	Customized physical button×2
Storage and transmission	
Storage media	Built-in (16 GB)
Image storage	JPG with temp info
External interface	USB-C, Tripod socket
Wi-Fi	Yes, it can be connected to the mobile terminal for image transmission
Power system	
Battery type	Rechargeable lithium-ion battery, non-removable
Operating time	4 hours
Environmental parameters	
Working temperature	-10°C to 50°C
IP rating	IP54
Drop	1m drop test
Physical parameters	
Hardware	Wi-Fi, Illuminator
Weight	296g
Size	138×89×34mm
Software kit	PC: ThermoTools; Mobile: FocusIR (iOS/Android)
Standard	A device, Wrist strap, Carrying bag, Power adapter, Adapter plug, USB-A to USB-C cable, Quick Start Guide, Warranty card
Options	Tripod

* Product performance is based on testing in a controlled laboratory environment. Your test results may vary due to several external and environmental factors.
All specifications are subject to the actual product. The manufacturer reserves the right to modify technical specifications without notice or liability to you.