



# Thermal

## Operating with great facility

**PF Series** Pocket-sized Thermal Camera

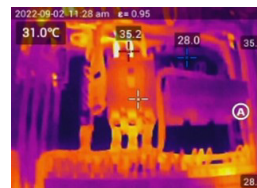
### Introduction

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.

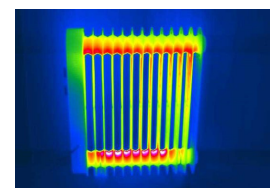
### Features

- 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
<b>Imaging and optics</b>	
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
<b>Measurement and analysis</b>	
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
<b>Image display</b>	
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
<b>Functions</b>	
Laser	Laser (Indication, Ranging)
Recording function	Photo
Cloud Services	Available
Others	Customized physical button×2
<b>Storage and transmission</b>	
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
<b>Power system</b>	
Battery type	Rechargeable lithium-ion battery, non-removable
Operating time	4 hours
<b>Environmental parameters</b>	
Working temperature	-10°C to 50°C
IP rating	IP54
Drop	1m drop test
<b>Physical parameters</b>	
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