P Series

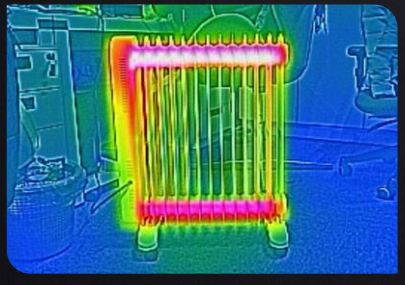
Pocket-sized
Thermal Camera

Compact Size, Professional Grade



Introduction

P120V Pocket-sized Thermal Camera designed for electrical equipment maintenance and building inspection, which can fast detect the potential problems, report repair data and share images by Wi-Fi. It is a truly handy thermal camera that fits in your pockets for fast and accurate thermal inspections anytime. P120V featured with 3.5-inch LCD touchscreen for simple operation, and support picture-in-picture, smooth zoom, max and min temperature alarm, Cloud Service and more.



Features and Benefits

- -20℃-400℃ wide measurement range
  Auto switching between-20℃-150℃ and 100℃-400℃
- Reasonable Layout and Good Ergonomic Design
  No interfere between lens area and grip area
- 3.5" Touchscreen Display
  High-brightness LCD, 320 x 240 pixels
- Android Platform, Intelligent Operation
  User-friendly design based on Android system, which is as simple as using a smartphone.
- Wi-Fi connectivity , support Cloud Service
  Wi-Fi connectivity enabled for remote control and instant sharing. And support Cloud Album, you can back up the images to the Cloud in real-time.

Application

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

Specifications

Model	P120V
Imaging and optics	
Detector type	VOx
Infrared resolution	120 × 90@17μm
Wavelength range	7.5 to 14μm
Focal length	2.28 mm
Field of view	50° × 38°
Minimum object distance	0.5 m
D:S	130:1
NETD	≤60 mK
Infrared frame rate	15 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 400°C
Measurement accuracy	±2°C or ±2%, whichever is greater
Analyzed target	Spot × 1, Area × 1
Tracking / Alarm	Full screen maximum/minimum temperature tracking; The maximum or minimum temperature tracking of analyzed target; full screen temperature threshold alarm (image)
Temperature measuring parameters	Emissivity, reflected temperature, target distance
Image display	
Display screen	3.5" LCD
Digital camera	0.3 MP
Image mode	IR, VIS, MIF and PIP
Image adjustment	Automatic, semi-automatic, manual
Color palettes	White Hot, Black Hot, Iron Red, Hot Iron, Medical, Arctic
Storage and transmission	
Storage media	Local storage (4 GB)
Image storage format	JPG with temp info
External interface	TYPE-C, UNC ¼"-20 (tripod mounting)
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	≥2 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 1.5 hours
Environmental parameters	
Working temperature	-10℃ to 50℃
Storage temperature	-40℃ to 70℃
IP rating	IP54
Drop	1m drop test
Certification	CE, FCC, ROHS, KCC, IP54, Damp heat test, Vibration test, Shock test, Impact test, UN38.3, MSDS
Physical parameters	
Weight	≤240 g
Size (L × W × H)	133.1mm×87.4mm×24.1mm
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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*Technical parameters are subject to change without notice. For the latest information, please visit our website: