

# P Series

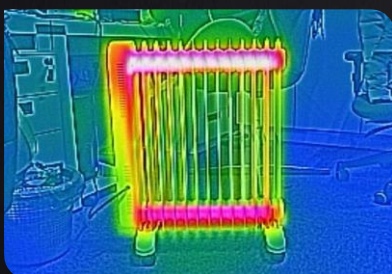
## Pocket-sized Thermal Camera

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°C-400°C wide measurement range  
Auto switching between -20°C-150°C and 100°C-400°C
- 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
<b>Imaging and optics</b>	
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
<b>Measurement and analysis</b>	
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
<b>Image display</b>	
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
<b>Storage and transmission</b>	
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
<b>Power system</b>	
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
<b>Environmental parameters</b>	
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, KCC, IP54, Damp heat test, Vibration test, Shock test, Impact test, UN38.3, MSDS
<b>Physical parameters</b>	
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

