



# GUIDE

## Compact Size, Professional Grade

**P Series** Pocket-sized Thermal Camera

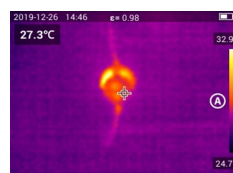
### Features

- -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.

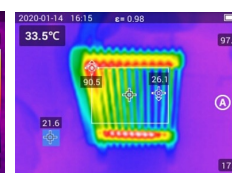
### Introduction

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.

### Applications



Electrical Application



HVAC Inspection



## Specifications

Product model	P120V
<b>Imaging and optics</b>	
Detector type	VOx, 7.5 to 14μm
Infrared resolution	120×90@17μm
NETD	60mK
Frame rate	15Hz/ 9Hz
Focal length	2.28mm
Field of view	50°×38°
IFOV	7.46mrad
Min. object distance	0.5 m
D:S	130:1
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 400°C
Measurement accuracy	±2°C or ±2%, whichever is greater
Analyzed target	Spot×1, Area×1
Alarm	Full screen temperature threshold alarm (image)
Parameter settings	Emissivity, reflected temperature, target distance
<b>Image display</b>	
Display screen	3.5" LCD
Image mode	IR, VIS, MIF and PIP
Color palettes	6: White Hot, Black Hot, Iron Red, Hot Iron, Medical, Arctic
Image adjustment	Level span mode: Automatic, Semi-automatic, Manual
Digital camera	0.3 MP
<b>Functions</b>	
Recording function	Photo
Cloud Services	Available
<b>Storage and transmission</b>	
Storage media	Built-in (4 GB)
Image storage	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
Operating time	2 hours
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
IP rating	IP54
Drop	1m drop test
Certification	CE, FCC, ROHS, KCC, IP54, 1m drop test, Damp heat test, Vibration test, Shock test, Impact test, UN38.3, MSDS
<b>Physical parameters</b>	
Hardware	Illuminator
Weight	240g
Size	133×87×24mm
Software kit	PC: ThermoTools; Mobile: Thermography (iOS/Android)
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