



GUIDE

Compact Size, Professional Grade

P Series Pocket-sized Thermal Camera

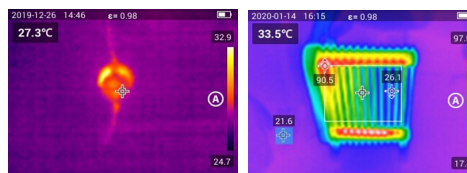
Features

- -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
Imaging and optics	
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	0.5m
D:S	130:1
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 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
Image display	
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
Functions	
Recording function	Photo
Cloud Services	Available
Storage and transmission	
Storage media	Built-in (4 GB)
Image storage	JPG with temp info
External interface	USB-C, Tripod socket
WIFI	Yes, it can be connected to the mobile terminal for image transmission
Power system	
Battery type	Rechargeable lithium-ion battery, non-removable
Operating time	2 hours
Charging mode	USB-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°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
Physical parameters	
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, USB-A to USB-C Cable, Data download card, Certificate of approval
Options	Tripod