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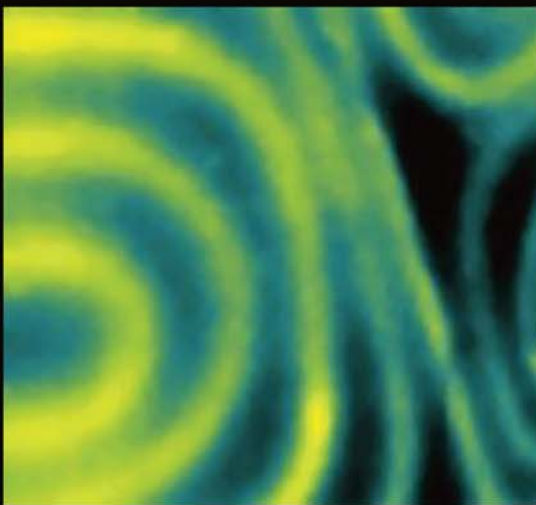
P Series

Pocket-sized Thermal Camera



Building Diagnostics
HVAC Inspection
Facilities maintenance
Electrical Application

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.



- **-20°C-400°C wide measurement range**
Auto switching between -20°C-150°C and 150°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.

Specifications

Model	P120V
IR image & Optical	
IR Resolution	120×90 @17µm
Detector type	VOx/7.5~14µm
Frame Rate	15HZ/9HZ
Thermal Sensitivity / NETD	60 mk
Focal Length	2.28mm/F1.13
Field of view(FOV)	50°×38°
Spatial Resolution(IFOV)	7.6mrad
Focus	Focus-free
Visible Camera	
Visible Camera Resolution	320×240, Focus-free
Flashlight	Yes (on/off/flash)
Image Display	
Display	3.5" LCD touchscreen display
Display Resolution	320×240
Image modes	IR, Visible, Picture-in-Picture, MIF
Color Palettes	6:Hot Iron, Black Heat, Heat Iron, White Heat, Medical, Arctic
Digital zoom	Smooth zoon, up to 8X
	Auto,Semi-automatic, Manual
Temperature Measurement	
Measurement Range	-20°C-150°C , 100°C-400°C (Auto switching)
Accuracy	±2°C or ±2%, whichever is greater (target temp ≥0°C, ambient temp is 15°C ~ 30°C)
Measurement Spot	Center spot , and can add one removable measurement spot
Measurement Area	Can add one removable area measurement box
Auto Max & Min Temp Tracking	Full screen auto max & min temp. tracking Analysis target (area) max & min temp. tracking
Full Screen Max & Min Temp. Alarm	Yes
Image Storage	
Storage Media	4G Internal memory , at least 500 sets of images
IR Image Format	Full Radiometric (JPG)
Visible Image	Yes
Connections & Communications	
USB	Type-C, for image data transmission with PC
WIFI	Yes, Wi-Fi enabled for data transmission
Mobile APP	Yes , and support Cloud Service
PC IR Analysis Software	Yes
Power system	
Battery Tpye	Built-in rechargeable li-thium battery, non- removable
Battery Operating Time	≥2 hours (when wifi-off)
Charging Time	≤1.5 hours
Environmental parameters	
Operating Temperature	-10°C~50°C
Storage Temperature	-40°C~70°C
Encapsulation	IP54, 1-meter drop test
Certification	CE, FCC, ROHS
Weight	240g
Size	133mm*87mm*24mm
Standard Accessories	Charger + Adapter, TYPE-C USB cable, Wrist Strap, Pouch, Quick start Guide, Data Download Card

Part No.	Description
EMOP-120V	Thermal Imager, 9/15Hz, 3.5" LCD Touchscreen Display