

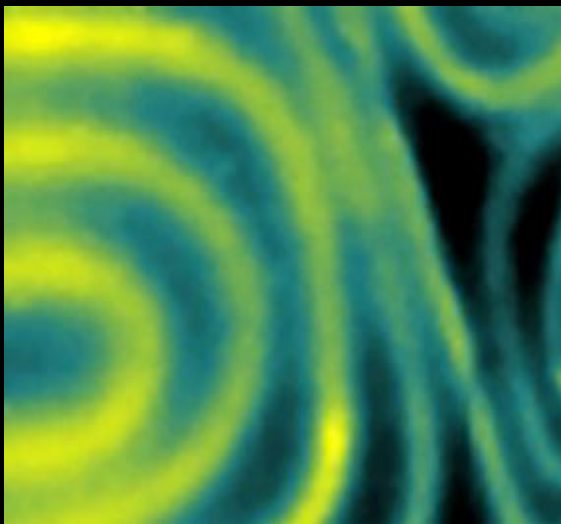
P Series

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 measurment 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 |

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