Model	P120V
IR image & Optical	
IR Resolution	120 x 90 @17μm
Detector type	VOx/7.5~14μm
Frame Rate	25 HZ
Thermal Sensitivity / NETD	60 mk
Focal Length	2.28mm/F1.13
Field of view(FOV)	50°x38°
Spatial Resolution(IFOV)	7.6mrad
Focus	foucus free
Visible Camera	
Visible Camera Resolution	640 x 480
Focal length	Focal length 0.5-3m，focus free，FOV 68°x52°
Flashlight	Yes（on/off/flash）
Image Display	
Display	3.5" LCD touchscreen display
Display Resolution	320 x 240
Image modes	IR, Visible, Picture-in-Picture, MIF
Color Palettes	White heat, Black heat,Iron red, Hot iron, Medical, Arctic
Digital zoom	Smooth zoon, up to 8X
Temperature Measurement	
Measurement Range	-20℃-150℃，100℃-400℃（Auto switching）
Accuracy	±2℃ or ±2%, whichever is greater (target temp ≥0℃, ambient temp is 15℃ ~ 30℃)
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，transfer the pictures to 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℃~50℃
Storage Temperature	-40℃~70℃
Encapsulation	IP54, 1-meter drop test
Certification	CE, FCC, ROHS
Weight	240g
Size	133.05*87.31*24.1mm
Standard Accessories	Wristband, Charger, USB Cable, Carrying Bag, Quick Start Guide

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P120V

Pocket-sized Thermal Camera

Compact Size, Professional Grade

Guide sensmart

Description

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

Building Diagnostics

HVAC Inspection

Electrical Facility Inspection

Mechanical Inspection

Features

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

Tripod mount interface

USB Type-c Interface
Support charging by mobile power
Support operating while charging

Shortcut Button for Level-span
Support switching among auto level-span, semi-auto level-span, and manual level-span

-20℃-400℃ wide measurement range
Auto switching between-20℃-150℃ and 150℃-400℃

Powerful Max & Min temperature tracking and alarm functions

Fully radiometric measurement, full screen or target area max & min temp tracking, and full screen max & min temp alarm.

25Hz high frame rate, smoother image
Perfectly capture the image of every moment,
record the temp of every pixel

MIF Image Enhancement, Picture-in-picture

Guide's exclusive MIF multispectral image fusion patent technology supports the fusion of visible image details on thermal image, which will improve comfort of viewing and efficiency.
Picture-in-picture function for better image comparison of thermal image and visible image.

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.

Smooth zoom, up to 8X
By sliding on the touchscreen,
easy to zoom and observe the details of the image