Guide sensmart

GUIDE

See the heat of 10, 800 pixels in 1 second

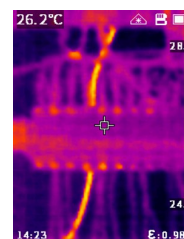**T Series**   Entry-level Portable Thermal Camera

Introduction

T Series Entry-level Thermal Image Camera is an affordable temperature measuring tool. It perfectly overcomes the shortcomings of the single spot infrared thermometers and helps work smarter, safer and faster. Equipped with Guide's self-developed 120x90 WLP IR modules, T120 series thermal cameras can display radiometric data of 10, 800 pixels instantly which helps quickly detect large areas and pinpoint fault spots accurately.
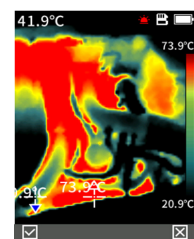
Features

- ◉ Boot-up in 1 second
- ◉ 2.4 inch Large Display
- ◉ Good-handle Buttons
- ◉ 8-hour Battery Life
- ◉ 2-hour Quick Charge
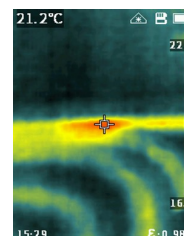- ◉ IR/Visible/Laser Indicator
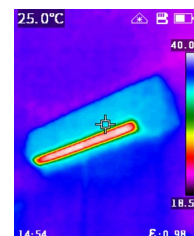- ◉ Trigger Button
- ◉ 2-meter Drop

Applications

Electrical Application

Facilities maintenance

HVAC Inspection

Specifications

Product model	T120	T120V
Imaging and optics		
Detector type	VOx, 7.5 to 14μm	
Infrared resolution	120 × 90@17μm	
NETD	≤60 mK	
Infrared frame rate	25 Hz / 9 Hz	
Focal length	2.28 mm	
Field of view	50° × 38°	
IFOV	7.46mrad	
Minimum object distance	0.5 m	
D:S	130:1	
Focusing mode	Focus-free	
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	Center spot and 3 areas	
Tracking / Alarm	Full screen maximum/minimum temperature tracking; The maximum or minimum temperature tracking of analyzed target; full screen temperature threshold alarm (image)	
Temperature measuring parameters	Emissivity, reflected temperature, target distance	
Image display		
Display screen	2.4" LCD	
Digital camera	/	70,000 pixels
Image mode	IR	IR, VIS and PIP
Image adjustment	Level span mode: Automatic	
Color palettes	Iron Red, White Hot, Arctic, Rainbow 2, Hot Iron, Rainbow 1	
Functions		
Recording function	Photo	
Storage and transmission		
Storage media	TF card (16 GB and up to 32 GB)	
Image storage	JPG with temp info	
External interface	TYPE-C, TF card slot, UNC ¼"-20 (tripod mounting)	
WIFI	/	Yes, it can be connected to the mobile terminal for image transmission
Power system		
Battery type	Rechargeable lithium-ion battery, non-removable	
Battery working time	≥8 hours	≥5 hours
Charging mode	TYPE-C charging; PC/portable charger; Capable of charging while using	
Charging time	90% of full charge in 2.5 hours	
Environmental parameters		
Working temperature	-10°C to 50°C	
Storage temperature	-40°C to 70°C	
IP rating	IP54	
Drop	2m drop test	
Certification	CE, FCC, ROHS, KCC, IP54, 2m drop test, Damp heat test, Vibration test, Shock test, Impact test, UN38.3, MSDS	
Physical parameters		
Hardware	Laser Indicator	Laser Indicator, Illuminator
Weight	≤350 g	
Size (L × W × H)	194 × 61.5 × 76 mm	
Software kit	PC: ThermoTools	PC: ThermoTools; Mobile: Thermography (iOS/Android)
Standard	A device, Wrist strap, Quick Start Guide, Power adapter, Adapter plug, Type-C USB cable, Data download card, TF card (16 GB) , Certificate of approval	
Options	Tripod	