

# TherCam120 / 120D

Thermal cameras

Code: 603550016 / 603550018



## Description:

TherCam120 is an affordable temperature measuring tool widely used for building diagnostics, HVAC inspections, electrical system inspections and more. It perfectly overcomes the shortcomings of the single spot infrared thermometers and helps work smarter, safer and faster. Equipped with 120x90 WLP IR modules, 120 series thermal cameras can display radiometric data of 10,800 pixels instantly which helps quickly detect large areas and pinpoint fault spots accurately. It can also easily save images and data, and download fast via USB, removable TF card or WIFI

## Characteristics:

- Boot-up in 1 second: Boot up and display fully radiometric image instantly
- Full screen max & min temperature alarm
- 2.4 inch Large Display: 240x320 pixel Color LCD
- Good-handle buttons: Ergonomic design. Easy to operate even wearing gloves
- 8-hour Battery Life: Low power consumption. Large capacity battery
- 2-hour Fast Charge: USB type-C interface
- IR/Visible/Laser Indicator: Pinpoint targets precisely
- Trigger button: trigger button for photo taking
- Rugged design: 2-meter drop test, IP54 encapsulation

## Standard accessories:

- Charger + adapter
- Type-C USB cable
- Wrist strap
- Quick start guide
- Data download card
- 16GB TF card



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Specifications / Model	TherCam120	TherCam120D
<b>IR image &amp; Optical</b>		
IR Resolution	120x90@17µm	
Detector type	VOx/7.5~14µm	
Frame Rate	25Hz/9Hz	
Thermal Sensitivity / NETD	60 mk	
Focal Length	2.28mm/F1.13	
Field of view (FOV)	50° x 38°	
Spatial resolution (IFOV)	7.6 mrad	
Focus	Focus-free	
<b>Visible Camera</b>		
Visible Camera resolution	N/A	320x240, focus-free
Flashlight	N/A	Yes
<b>Image Display</b>		
Display	2.4 inch IPS technology TFT display	
Display resolution	320x240	
Image model	IR image	IR/Visible/Picture-in-picture
Color palettes	6: White Hot, Iron Red, Hot Iron, Arctic, Rainbow 1, Rainbow2	
<b>Temperature measurement</b>		
Temperature 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	
Measurement area	3 (incl. Max & min temp)	
Auto Hot & Cold spot tracking	Yes	
Alarm	Full screen Max & Min spot alarm	
<b>Image storage</b>		
Storage media	TF card (Standard 16G, up to 32G)	
IR image format	Full radiometric (JPG) (120x90)	
Visible image	N/A	Yes, 320x240
<b>Connections &amp; communications</b>		
USB	Type-C, TF card slot	
Laser	Yes	
Tripod interface	Yes	
WIFI	N/A	Yes, image transmission available
Mobile APP	N/A	Yes
PC IR analysis software	Yes	



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Power system		
Battery type	Rechargeable Li-ion battery	
Battery operating time	> 8 hours	> 5 hours
Charging time	Internal charge, ≤2.5 hours	
Environmental Parameters		
Operating temperature	-10°C ~ 50°C	
Storage temperature	-40°C ~ 70°C	
Encapsulation	IP54, 2-meter drop test	
Certification	CE/ROHS/FCC	
Weight	~350g	
Size	194x61.5x76 mm	



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