

TherCam256 PLUS

Handheld Thermal Camera



Description :

The thermal camera *TherCam256PLUS* is designed for temperature measurement to find invisible faults. It's equipped with a 256 × 192 resolution thermal detector and 2 MP optical detector. The thermography ranges from -20°C to 550°C (-4°F to 1022°F) which meets most situations. It helps the staff to quickly find the fault according to accurate temperature measurement of high temperature targets in the environment. Meanwhile it provides assistant decision and ensure safety. The device is mainly applied to various industries, such as Building, HVAC, and auto industry, etc.

Key Features :

- Thermal resolution: 256 × 192 (49,152 pixels)
- NETD : < 40 mK (@ 25°C, F#=1.0)
- Temperature measurement range : -20°C to 550°C (-4°F to 1022°F)
- Accuracy: Max (± 2°C/3.6°F, ± 2%), for ambient temperature 15°C to 35°C (59°F to 95°F) and object temperature above 0°C (32°F)
- Measurement presets: Center spot, Hot spot, Cold spot, User Preset Point
- 25 Hz image frequency
- 3.2" LCD screen display
- Up to 6 hours continuous running

Accessories included:

- USB2.0 to USB Type-C cable
- Operation Guide



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Specifications

IR Image

IR Resolution	256 × 192 (49,152 pixels)
SuperIR	Yes, on captured thermal images
NETD	<40 mk
Image Frequency	25Hz
Detector Pitch	12 μm
Spectral Range	7,5 a 14 μm
Focal Length	3.6 mm/F1.0
Field of View(FOV)	37.2° × 50.0°
Spatial Resolution(IFOV)	3.3 mrad
Min. Focus Distance	0.3 m (0.98 ft)
Focus Mode	Focus-free

Image Display

Visual Camera	1600 × 1200 (2 MP)
Display	240 × 320 Resolution, 3.2" LCD Screen
Color Alarm	Above alarm
Image Modes	Thermal/Visual/Fusion/PIP
Color Palettes	White Hot, Black Hot, Rainbow, Ironbow

Measurement and Analysis

Object Temperature Range	-20°C - 550°C (-4°F a 1022°F)
Accuracy	Max. (± 2°C/3.6°F, ± 2%), for ambient temperature 15°C to 35°C (59°F to 95°F) and object temperature above 0°C (32°F)
Measurement Tools	Center Spot, Hot Spot, Cold Spot User-definable: 3 spots
Level and Span Mode	Auto / Manual

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Data Storage and Communication

Storage Media	Built-in 16 GB flash memory
Image Storage Capacity	Approx. 90,000 Images
Wi-Fi	802.11 b/g/n (2.4 GHz)
USB Interface	USB Type-C

General

LED Light	Yes
Battery Type	Rechargeable Li-ion battery
Battery Operating Time	> 6 horas
Battery Charging Time	Approx. 3 hours fully charged
Working Temperature Range	-10°C to 50°C (14°F to 122°F)
Storage Temperature Range	-20°C to 60°C (-4°F to 140°F)
Relative Humidity	<95% non-condensing
Protection Level	IP54
Drop Test Height	2 m (6.56 ft)
Láser	Yes, Clase II
Tripod Mounting	UNC ¼"-20
Weight	≈290g
Dimensions	UNC ¼"-20

Product Code Information

SKU	KPSTHERCAM256PLUSCBINT
EAN code	8435394790282
UPC code	810053679050