

TherCam96 PLUS

Handheld Thermal Camera



Description :

The TherCam96 PLUS is an efficient, economical and fully equipped infrared camera. This robust and very practical high-tech system with its intuitive and easy one-handed operation makes it an ideal tool for troubleshooting electrical installations, mechanical components, buildings, process equipment, HVAC/R equipment and others.

Key Features :

- Thermal resolution: 96 × 96 (9,216 pixels)
- 112:1 Distance to spot ratio (D:S)
- SuperIR: 240 × 240 (57,600 pixels)
- NETD: < 50 mK (@ 25°C, F# = 1.0)
- Measurement presets: center spot, hot spot, cold spot, off
- 25 Hz image frequency
- Laser pointer
- Built-in 4 GB flash memory: 30,000 pictures
- Up to 8 hours continuous running
- Thermal/Visual/Fusion

Accessories included:

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



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Specifications

IR Image

IR Resolution	96x96 (9.216 pixels)
SuperIR	240x240 (57.600 pixels)
D:S ratio	112:1
NETD	<50 mk
Image Frequency	25Hz
Spectral Range	7,5 a 14 μ m
Focal Length	1.35 mm/F1.0
Field of View(FOV)	50° x 50°
Spatial Resolution(IFOV)	8.89 mrad
Min. Focus Distance	0.1 m
Focus Mode	Focus-free

Image Display

Display	240 × 320 Resolution, 2.4" LCD Screen
Image Modes	Thermal/Visual/Fusion
Color Palettes	White Hot, Black Hot, Rainbow, Ironbow, Red Hot, Fusion
Color Alarm	Above alarm
Visual Camera	640 × 480

Measurement and Analysis

Object Temperature Range	-20°C - 550°C (-4°F a 1022°F)
Accuracy	Max. ($\pm 2^{\circ}\text{C}/3.6^{\circ}\text{F}$, $\pm 2\%$), 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
Level and Span Mode	Auto / Manual

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Data Storage and Communication

Storage Media	Built-in 4 GB flash memory
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Image Storage Capacity	Approx. 30,000 Images
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USB Interface	USB Type-C
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General

Battery Type	Rechargeable Li-ion battery
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Battery Operating Time	> 8 horas
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Battery Charging Time	Approx. 3 hours fully charged
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Working Temperature Range	-10°C to 50°C (14°F to 122°F)
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Storage Temperature Range	-40°C to 70°C (-40°F to 158°F)
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Relative Humidity	< 95% non-condensing
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Protection Level	IP54
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Drop Test Height	2 m (6.56 ft)
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Laser	Yes, Clase II
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Tripod Mounting	UNC ¼"-20
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Weight	290 g (0.64 lb)
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Dimensions	196 × 117 × 59 mm (7.7" × 4.6" × 2.3")
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Product Code Information

SKU	KPSTHERCAM96PLUSCBINT
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EAN code	8435394790152
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UPC code	810053679029
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