

DS-2TP31B-3AUF

Handheld Thermography Thermal Camera



The handheld thermal camera, specially designed to detect elevated skin-surface temperature with high accuracy in real time. It is equipped with a 160×120 resolution thermal detector, can be widely used for preliminary temperature screening in office buildings, factories, stations, airports and other public places.

Key Features

- 160 × 120 resolution
- Thermographic accuracy up to $\pm 0.5^{\circ}\text{C}$
- 320 × 240 resolution 2.4" LCD display
- Built-in rechargeable Li-ion battery
- Up to 8 hours continuous running

Functions

Thermography

Device detects the real-time temperature, and display it on the screen.

Storage

Device is equipped with replaceable memory card to store recorded captured snapshots, and important data.

Palette

Device supports 4 palettes.

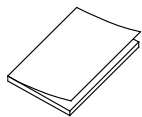


Specification

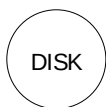
Model		DS-2TP31B-3AUF
Parameter		Handheld Thermography Camera
Thermal Module	Image sensor	Uncooled Focal Plane Arrays
	Max. Resolution	160 × 120
	Pixel Pitch	17μm
	Response waveband	8μm to 14μm
	NETD	< 40mK (@ 25 °C,F#=1.0)
	Field of View	37.2° × 50 °
	Focal length	3.1 mm
	IFOV (mrad)	5.48 mrad
	Min. Focus Length	≥ 150 mm
	Aperture	F 1.1
Image Display	Monitor	320 × 240 resolution 2.4'' LCD display
	Palettes	Black hot, White hot, Rainbow, Ironbow
Thermography	Rules	3 thermometry points: Max. Temperature; Min. Temperature; Center Temperature
	Thermographic Range	30°C to 45 °C
	Thermographic Accuracy	±0.5 °C
Battery	Battery Type	Rechargeable Lithium Battery
	Battery Operating Time	8 hours continuous running
	Storage	Replaceable memory card (default 8G, support up to 128G storage)
	Photo	Thermal image
	Language	English
General	Power	3.7 V DC/0.4 A
	Power Consumption	Less than 1.2 W
	Hardware Interface	micro USB
	Working Temperature	10 °C to 35 °C
	Protection level	IP54
	Drop Test Height	2 m (6.56 feet)
	Dimension	196 mm × 117 mm × 59 mm (7.7 " × 4.6 " × 2.3 ")
	Weight	Approx. less than 350 g (0.77 lb)
	Accessory	Power Adaptor, USB cable, 8GB memory card, User manual, Disk, Wrist Strap

Order Models
DS-2TP31B-3AUF

Box Content



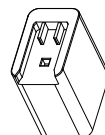
User Manual (×1)



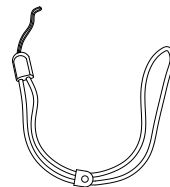
Disk (×1)



USB Cable (x1)

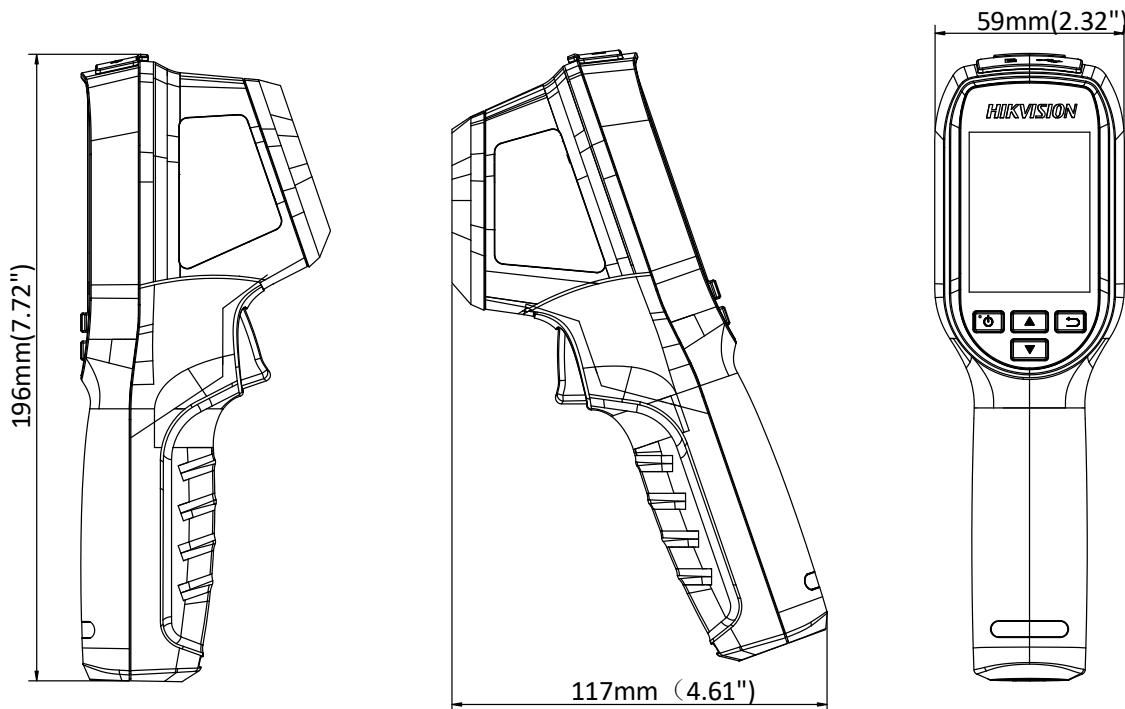


power Adapter
(x1)



Wrist Strap (x1)

Dimension



Distributed by


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