HM-TP21-6VF/W-M10

Handheld Thermography Camera





The handheld thermography camera, specially designed for temperature measurement in transformer substation. The 3.5-inch touch screen displays picture in picture of optical and thermal view, fusion of both channels. It helps you quickly find the fault according to accurate temperature measurement of high temperature targets in the environment.

Key Feature

- 160 × 120 resolution (thermal), and 8 MP resolution (optical)
- DDE,3D DNR, and adaptive AGC
- 640 × 480 resolution 3.5” LCD touch display
- Up to five hours continuous running

Function

Thermography

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

Storage

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

Fusion

Device can display fusion of thermal view and optical view.

Palette and Alarm

Device supports multiple palettes, and you can set the palette mode according to the alarm function

LED Light

LED light supplement makes the device a torch in required scenarios.

Laser Light Supplement

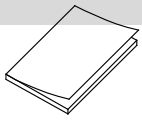
Long-distance laser light supplement to point the thermography target.

Specification

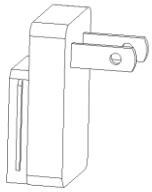
Parameter	Model	HM-TP21-6VF/W-M10
		Handheld Thermography Camera
Thermal Module	Image sensor	Uncooled Focal Plane Arrays
	Resolution	25Hz: 160 × 120
	Pixel Pitch	17μm
	Response waveband	8μm to 14μm
	NETD	< 40 mk (@ 25 °C,F#=1.0)
Optical Module	Field of View	25° × 18.7°
	Focal length	6.2 mm (Manual focus)
	IFOV	2.74 mrad
	Aperture	F 1.1
	Picture Resolution	Configurable: 2 MP, 5 MP, 8 MP
	Video Resolution	640 × 480
Image Display	Monitor	640 × 480 resolution 3.5'' LCD touch display
	Palettes	Black hot, White hot, Red hot, Rainbow, Ironbow, Fusion, Rain
	Digital Zoom	Thermal：1×, 2×, 4×
	Thermal / Optical	Thermal/Optical/Fusion image/Picture in picture
	Picture in Picture	Support Thermal View in Optical View
	Fusion	Support (Thermal View and Optical View Combined)
	Record Video	Support on-board video recording
Thermography	Rules	Max. Temperature; Min. Temperature; Center Temperature; Custom Point/Line/Area Thermography
	Range	-20 °C to 550 °C (-4 °F to 1022 °F)
	Accuracy	Max (±2 °C, ±2%)
Battery	Battery Type	Dismountable and rechargeable Li-ion Battery
	Battery Operating Time	5 hours in normal temperature, with Wi-Fi, Bluetooth, and supplement light off. 4 hours in normal temperature, with Wi-Fi, Bluetooth, and supplement light on.
Functions	Laser Light	Support (Point to the thermography target)
	Storage	Replaceable memory card (16 G)
	Photo	Thermal/Optical/Fusion image
	Video	Thermal/Optical/Fusion image
	Lighting	Support
	Wi-Fi	Support
	Text Comment	Support
	Voice Comment	Support
	Language	English/German/French/Russian/Korean/Spanish/Portuguese/Italian/Japanese/Hungarian/Czech/Slovak/Polish/Romanian/Danish/Turkish/Traditional_Chinese/Arabic
General	Power	5 VDC/2 A
	Power Consumption	Max. 4.5 W
	Hardware Interface	Type-C Interface

	Working Temperature	-10 °C to 50 °C (14 °F to 122 °F)
	Protection level	IP54
	Drop Test Height	2 m (6.56 feet)
	Dimension	244 mm × 100 mm × 104 mm (9.6 ″ × 3.9 ″ × 4.1 ″)
	Weight	With Battery: 653 g (1.44 lb) Without Battery: 511 g (1.13 lb)

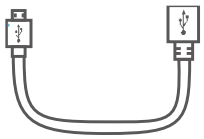
Accessory



QSG (×1)



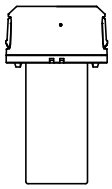
Adapter (x4)



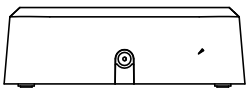
USB Cable (x1)



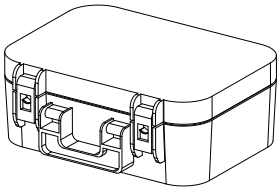
Power Adapter (x1)



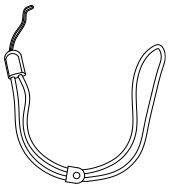
Battery (×1)



Charging Base (x1)



Box (×1)

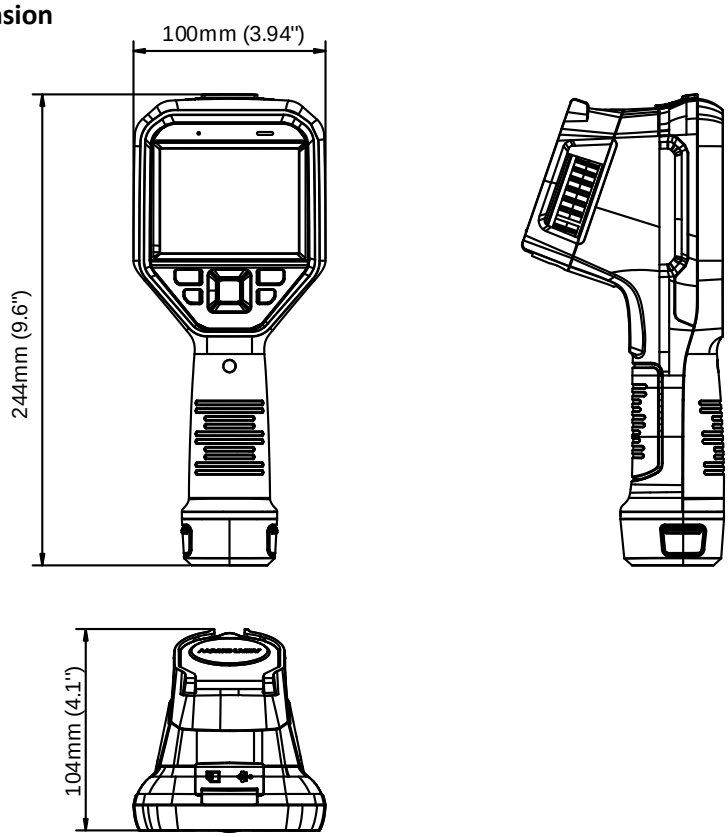


Wrist Strap (x1)

Available Model

HM-TP21-6VF/W-M10

Dimension



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