

IRIS IRcam 160/120

Handheld Thermography Camera



The handheld thermography camera, specially designed for temperature measurement in transformer substation. It's equipped with a 160×120 resolution thermal detector. 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

- 160 × 120 resolution
- 320 × 240 resolution 2.4" LCD display
- Built-in rechargeable Li-ion battery
- Up to 8 hours continuous running
- Thermometry D:S = 75:1, a circular target with a diameter of 1 cm can be measured accurately within a distance of 75 cm.

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.

Laser Light Supplement:

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

Specification

Parameter		
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
	I FOV (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
	Thermometry Range	-20 °C to 550 °C (-4 °F to 1022 °F)
	Thermometry Accuracy	Max (±2 °C, ±2%)
	Thermometry Distance	D:S = 75:1
Battery	Battery Type	Rechargeable Lithium Battery
	Battery Operating Time	8 hours continuous running
Functions	Laser Light	Support (Point to the thermography target)
	Storage	Replaceable memory card (default 8G, support up to 128G storage)
	Photo	Thermal image
	Video	N.A.
	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 50 °C (14 °F to 122 °F)
	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	