

Тепловизоры DT-870, DT-870L-8, DT-870Y, DT-870YS

Технические характеристики

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DT-870/870L-8

870/870L-8 Thermal Imagers are designed to make your work easier, more productive and effective. 80x80 resolution at 50Hz for real-time capture; Temperature range from -20°C to 380°C (-4°F to 716°F). Hot/Cold spot marker automatically finds the hottest and coldest spots. Lithium polymer battery & power supply, and USB cable. Bluetooth connectivity allows the Infrared Thermal Camera to send thermal pictures to mobile devices.

Key features

- 50Hz fast frame rate, fast capture temperature varies
- High temperature range, more application situation
- Simple operate, easy to use
- Smart design, Portable, Small and lightweight to carry with you anywhere
- Durable, withstand up to a 2m drop
- IP54 waterproof level
- Flashlight

Specifications		870	870L-8
Imaging and optical data			
Field of View (FOV)	21×21	*	8x8 °
Spatial resolution	4.53mrad	*	1.79mrad
NETD	<0.1°C@30°C(80°F)/100mK	*	*
Image frequency	50Hz	*	*
Focus mode	Focus free	*	*
Focal Plane Array (FPA) / Spectral range	Uncooled microbolometer / 8–14 μm	*	*
IR Resolution		80×80	80*80
Image presentation			
Display	2"TFT LCD, 240×320 pixels	*	*
Color palettes	Iron/Rainbow/Gray/Gray Inverted	*	*
Measurement			
Object Temperature Range	- 20°C to 380°C (- 4°F to 716°F)	*	*
Accuracy	+ / - 2°C (+ / - 3.6°F) or + / - 2% of reading	*	*

Measurement Analysis			
Spotmeter	Center Spot	*	*
Automatic Hot/Cold Detection	Auto hot or cold markers	*	*
Emissivity Correction	8 pre-define level and Variable from 0.01 to 1.0	*	*
Storage of Images		*	*
Image Storage format	Bitmap(BMP),including measurement data.	*	*
Data Communication Interfaces			
Bluetooth		*	*
Power System			
Battery	Li-ion battery, 4 hours operating time	*	*
Input Voltage	DC 5V	*	*
Charging System	In camera(AC adapter)	*	*
Power Management	Automatic shutdown	*	*
Environmental Data			
Operating Temperature Range	- 20°C to 50°C (- 4°F to 122°F)	*	*
Storage Temperature Range	- 40°C to 70°C (- 40°F to 158°F)	*	*
Humidity(operating and storage)	10% to 90%	*	*
Drop test	2m	*	*



DT-870Y

The Thermal Imager is handheld imaging camera used for predictive maintenance, equipment troubleshooting, and verification. Thermal images are displayed on the LCD and can be saved to internal memories. With Bluetooth instant share function, thermal images can be transferred to smart phone for analyse, share and report quickly.

Key features

- 80x80 pixel thermal imaging system.
- 6400 points real temperature fast measurements
- Hot, Cold, Center three temperature tracking function.
- Large, easy-to-read, bright graphical TFT display
- 50Hz fast Thermal image frame rate
- Bluetooth image instant share & save with iOS and Android smart device
- Scene temperature range Lock function.
- With LED flashlight function
- Long running time up to 8 hours with rechargeable battery.
- Smart and compact design
- Rugged industrial design



DT-870YS

The Thermal Imager is handheld imaging camera used for predictive maintenance, equipment troubleshooting, and verification. Thermal images are displayed on the LCD and can be saved to internal memories. With Bluetooth instant share function, thermal images can be transferred to smart phone for analyse, share and report quickly.

Specifications

Imported Focus Screen Sensors resolution	80x80
Field of view	21° 21°
focal length	7.5mm
Aperture	F1.0
Infrared lens	Material: Germanium
Visible light camera	without
display screen	2 "display, 240 * 320 pixels
Screening temperature range	32~42°C
Measurement accuracy	±0.5°C
Thermal sensitivity	<0.1°C/30°C(80°F)/100mK
image frame rate	50Hz
Focus mode	focus free
Light spectrum range	8~14μm
Color matching board	Iron red, rainbow, gray, white gray
Accuracy	±2°C/±2%
point temperature measurement	center point
High and low temperature detection	Automatically mark the maximum and minimum temperatures in the area
Measurement correction	8 calibrated modes
image storage format	BMP format with temperature measurement data
Bluetooth	Yes.
Power Battery	Lithium battery, can last for 8 hours
input voltage	DC 5V
charging method	Direct charging (power adapter)
Power Management	Automatic shutdown



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