



English

**Product Datasheet**

**Stock No: 193-8700**

**Thermal Imager 80x80 with Bluetooth**

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## **Introduction**

The RS-870 is a handheld Thermal Imaging Camera which can be used for predictive maintenance, equipment troubleshooting and verification. Thermal images are displayed on the TFT screen and the datalogging capacity enables the user to save images to the camera's internal memory. With Bluetooth instant share function, thermal images can be transferred to smart phones for quick reporting and analysis.

## **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

Accessories:

Battery, APP software, Adaptor, Carrying case, USB cable, Gift box.

## Specification

Field of view (FOV)/ Minimum focus distance	21°X219/0.5m
Spatial resolution(IFOV)	4.53mrad
Thermal sensitivity/NETD	< 0.1°c@ + 30c(+ 86°F)/100mK
Image frequency	50Hz
Focus mode	Focus free
Focal length	7.5mm
Focal Plane array(FPA) Spectral range	Uncooled microbolometer /8-14 um
Object temperature range	20°C to 380°C (-4°F to 716°F)
Accuracy	±2°C (±36°F) or ±2% of reading (Environment temperature 10°C to 35°C, object temperature > 0°C.)
Display	2" color TFT lcd screen
Display resolution	240x320 pixels resolution
Battery	Rechargeable 3. 7V (1300mAlithium ion battery ( not user-serviceable)
Battery lift	> 6hours, typical
Battery charger	5V 1A USB charger ( not include)
Drop proof	Designed for up to 2 meters
Connect	Bluetooth BLE4.0, thermal image transfer and data logger.
Save image format	Bitmap (.bmp) with 6400 points temperatureanalyse and emissivity
Operating temperature	14to113F(10t045c)
Storage Temperature	22t131°(30to55C)
Allowable relative humidity	< 80%HR
Storage temperature	20° to 60°C (-4°F to 140°F)
Storage humidity	< 80%HR