



DT-870 Thermal Imager

CEM DT-870 Thermal Imagers are designed to make your work easier, more productive and effective. 80x80 resolution at 50 Hz 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.



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 6 hours with rechargeable battery
- Smart and compact design
- Rugged industrial design

Contact :

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SPECIFICATIONS

Field of view (FOV) / Minimum Focus Distance	21° x 21° / 0.5m
Spatial Resolution (IFOV)	4.53mrad
Thermal Sensitivity/NETD	< 0.1°C @ +30°C (+86°F) / 100 mK
Image Frequency	50Hz
Focus Mode	Focus free
Focal Length	7.5mm
Focal Plane Array (FPA)/ Spectral Range	Uncooled microbolometer / 8-14 um
Object Remperature Range	-20°C to +380°C (-4°F to +716°F)
Accuracy	+2°C (+3.6°F) or +2% of reading (Environment temperature 10°C-35°C, object temperature >0°C.)
Display	2" color TFT LCD screen
Display Resolution	240 x 320 pixels resolution
Battery	Rechargeable 3.7V (1300mA) lithium ion battery
Battery Life	6 hours, typical
Battery Charger	5V 1A USB charger (not include)
Drop Proof	Designed for up to 2 meters
Communication	Bluetooth BLE4.0, thermal image transfer and data logger
Image Format	Bitmap (.bmp) with 6400 points temperature analyses and emissivity
Operating Temperature	-10 to 45°C
Storage Temperature	-30 to 55°C
Allowable Relative Humidity	<80%HR



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