



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

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 Temperature 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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