DT-873/874/875/876
Industrial Thermal Imagers

CEM

876/875/874/873 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 400°C (-4°F to 752°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.

240x320 2.4" LCD display
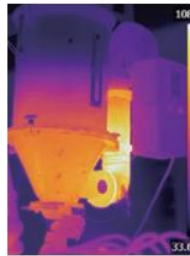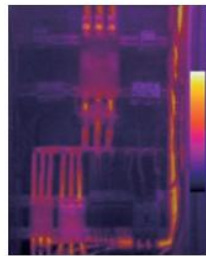
AUF
Auto Fusion mode (AUF)

400°C
400°C temperature range

2M visible light digital camera

IP54
IP54

CE

EMC
EN: 61326-1
EN: 61010-1

Model: 876

Specifications		876	875	874	873
Imaging and Optical Data					
Field of View	21x 21°	50x38°	32x24°	50x38°	21x 21°
Spatial Resolution	4.53mrad	5.4mrad	*	1.79mrad	4.53mrad
NETD	<0.1°C@30°C(80°F)/100mK	*	*	*	*
Image Frequency	25Hz	*	*	*	*
Focus Mode	Focus free	*	*	*	*
Focal Plane Array(FPA) Spectral Range	Uncooled microbolometer/8-14um	*	*	*	*
IR Resolution		256x192	160x120	120x90	80x80
Visible camera	2M	*	*		
Image Presentation					
Display	2.4" TFT LCD, 240x320 pixels	*	*	*	*
Color Palettes	IRON, RainBow, Grey, GreyInverted, Brown	*	*	*	*
Measurement					
Object Temperature Range	-20°C to 400°C (-4°F to 752°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					
Operting 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	*	*	*	*

Size(HxWxD): 175mm x 58mm x 70mm   Weight: 450g
Accessories: Battery, APP software, Adaptor, Carrying case, USB cable, Gift box.