DT-870Y/870YS/980Y
Surface temperature rapid screening thermal Imager

CEM

DT-870YS supports an external tablet large screen, which can achieve simultaneous temperature measurement by multiple people in the public place when checking the fever personnel. Using the Thermalguard software pre-installed on the pad, you can directly read the measurement data, the number of people, and the number of temperature more than 37.3°C on the big screen. In the screening mode, the measurement range is 35°C~42°C, and the measurement accuracy is ±0.5°C.

DT-980Y series surface temperature rapid screening infrared thermal imager, infrared resolution 80x80, 50Hz high image frame frequency, temperature measurement accuracy ±0.5°C, temperature measurement range 32°C~42°C, can be handheld or installed tripod.

Specifications	870Y	870YS	980Y
Imaging and Optical Data			
Field of View	21x 21°		17x17°
Spatial Resolution	4.53mrad		3.77mrad
NETD	<0.1°C@30°C(80°F)/100mK		< 0.08°C /80mK
Image Frequency	50Hz		50Hz
Focus Mode	Focus free		Manual
Zoom			1-32x continuous, digital zoom
Focal Plane Array(FPA) Spectral Range	Uncooled microbolometer/8-14um		
IR Resolution	80x80 pixels		
Image Presentation			
Display	2" TFT LCD, 240x320 pixels		2.8" TFT LCD, 240x320 pixels
Color Palettes	IRON, RainBow, Grey, GreyInverted		
Measurement			
Object Temperature Range	-20°C to 380°C (-4°F to 716°F)		-20 to 150°C (-4 to 302°F) 0 to 350°C (32 to 662°F)
Accuracy	±2°C(±3.6°F) or ±2% of reading		
Screening temperature range	32~42°C		
Temperature measurement accuracy	±0.5°C		
Test area	1 meter distance: 35cmx35cm		1 meter distance: 44cmx33cm
	2 meters distance: 70cmx70cm		2 meters distance: 88cmx66cm
Full-field high-temperature tracking	Red crosshair mark		
High temperature alarm setting	Default 37.3°C		
High-temperature tracking	Red crosshair mark		
High temperature alarm tone	Yes		
Tablet	10in display,8M visible camera,Android sysstem (870YS)		
Face detection	5 face detection at the same time, hot spot track in face area and High temperature alarm (870YS)		
Face capture	Yes		
Measurement Analysis			
Spotmeter	Center Spot		Center Spot,Auto hot or cold markers
Hot spot track			Hot spot track in face area and High temperature alarm
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.		Standard JPEG, including measurement data, on memory card > 1000 pictures
HDMI			Connect to TV through HDMI with video and alarm voice
Data Communication Interfaces			
Bluetooth	Yes		
USB			Data & Live video transform between camera and PC or smartphone
Power System			
Laser			< 1mW
Charging System	In camera(AC adapter)		
Power Management	Automatic shutdown		
Battery/ Input Voltage	Li-ion battery, 4 hours operating time/ DC 5V		

Size(HxWxD): 175mm x 58mm x 70mm   Weight: 450g

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

CE

Model 980Y

Model 870Y   **Model 870YS**

By locking the current on-site temperature range to obtain better image effects, It is more convenient to find the temperature problem of the measured object.