

Rapid Screening Thermal Imager for Surface Temperature

DT-982Y



20ms fast
thermal imaging
temperature
measurement

*Quick large-scale
screening
temperature
measurement*



열화상카메라 전문기업
케이씨엘인스트루먼트(주)
서울시 서초구 논현로75(오석빌딩 6층)
전화 : 02-529-8061~4 팩스 : 02-529-8066
담당자 : 이택영 부장(010-7124-1977)

Non-contact
testing makes
quarantine
personnel safer

Based on the detection principle of infrared thermal imaging, quarantine personnel can be physically separated from the quarantine object, which can improve the detection efficiency and protect the safety of quarantine personnel.

External large display
terminal, more efficient
on-site monitoring

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- 2.8 " HD screen
- 160x120 resolution
- 5 megapixel visible
- 50Hz high frame rate
- 32x continuous digital zoom
- 5 megapixel visible light fusion
- Smaller spatial resolution IFOV
- Patented AUF thermal imaging camera



High temperature color alarm

High and low temperature warning function, you can set the temperature to issue a warning



High temperature color alarm



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High and low temperature automatic tracking

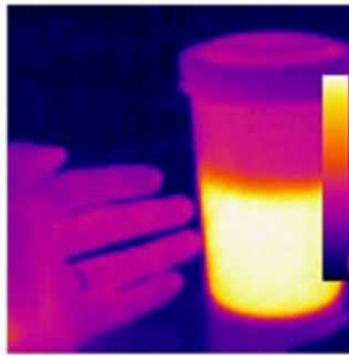
Automatically track the highest / lowest temperature, easily find the abnormal temperature in the detection area



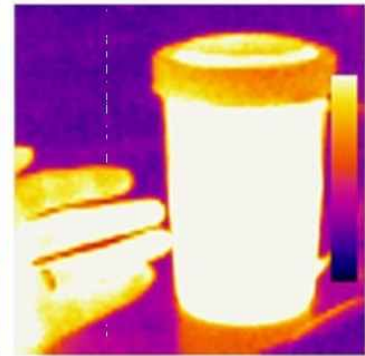
✦ S: Aiming point temperature
✦ H: Highest temperature

Surface temperature screening mode

When measuring in infrared, you can lock the high and low temperature according to your needs. DT-982Y will automatically shield the temperature outside this area.



Zone Unlock Mode



Interval Lock Mode



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Specifications		DT-982Y
Imaging and optical data		
IR resolution	120×160 pixels	
Focal Plane Array (FPA) / Spectral range	Uncooled microbolometer / 8–14 μm	
Focal length	9mm	
Field of View (FOV)	19°x 25°	
Minimum focus distance	0.5m	
Spatial resolution	2.78mrad	
Thermal sensitivity/NETD	< 0.1°C @ 30°C (86°F) / 100 mK	
Image frequency	50Hz	
Focus	Manual	
Zoom	1-32x continuous, digital zoom	
Image presentation		
Image modes	IR image, visual image, picture in picture	
Picture in Picture	IR area on visual image	
Color palettes	Iron/rainbow/grey/grey inverted	
Measurement		
Object temperature range	Filter mode: 32°C to 42°C	
	-20 to 150°C (-4 to 302°F) 0°C to 350°C (32 to 662°F)	
Accuracy	Filter mode: ±0.5°C in 32°C to 42°C	
	±2°C (±3.6°F) or ±2% of reading	
Measurement analysis		
Spot	Center Spot, Auto hot or cold markers	
Set-up		
laser	< class2	
Language selection	English, Chinese, French, German, Spanish	
Storage of videos/images		
Inside Memory	100M bytes, About 80 pictures or one minute video record	
Storage media	8Gbytes Micro SD card	
Video storage format	Standard MPEG-4, 1280x960@30fps, on memory card >60 minutes	
Image storage format	Standard JPEG, including measurement data, on memory card >6000 pictures	
Digital camera		
Built-in visible light digital camera	5 Megapixels	
Built-in digital lens data	59°	
Data communication interfaces		
Interfaces & Video out	USB-mini, audio, HDMI	
USB	Data & Live video transform between camera and PC or smartphone	
Power system		
Battery / Input voltage	Li-ion battery, 4 hours operating time / DC 5V	
Charging system / Power management	In camera (AC adapter) / Automatic shutdown	