

Thermal camera CI-RTS



CI-RTS is a special offer for body temperature check and Widely applied in large public areas such as airport; wharf; train & bus station and building.

Large Scale Population Scanning quickly: Thermal response time 0.04 seconds Scanning large scale population in distance to detect the abnormal body temperature personnel.

Non-contact detect: Non-contact temperature measurement to ensure own secure and safety to prevent the intercross infection for operators.

Auto alarm: Provide quick and easy way to scanning population without interfere the normal order.

Cost effective, easy operation.

TECHNICAL SPECIFICATIONS

Item		CI-RTS	CI-RTS-P
Detector characteristics	Detector type	Uncooled FPA microbolometer	
	Array size/format	160×120	
Image manage	Field of view/min focus distance	12°×9°/0.3m	
	Spatial resolutions (IFOV)	1.3mrad	
	Thermal sensitivity	0.12°C@30°C	
	Frame rate	50HZ	50/60HZ
	Focus	Manual	
	Electronic zoom	N/A	2X
	Spectral range	8~14μm	

Image display	LCD	Built-in high-resolution color 2.5" LCD	
Measurement	Temperature ranges	-20°C~+250°C	-20°C~+250°C, optional up to 1000°C
	Accuracy	±2°C or ±2% of reading, whichever is greater	
	Measurement correction	Automatic/manual	
	Measurement mode	Movable spots. Movable areas(maximum, minimum and average temperatures). Isothem. Alarm(voice,color)	Up to 4 movable spots. Up to 3 movable areas(maximum, minimum and average temperatures).Line profile. Isothem. Temperature difference.Alarm(voice,color)
	Color palette	3	11
	Image adjustment	Auto/manual gain and brightness	
	Setup functions	Date/time, temperature unit, language	
	Emissivity correction	Variable from 00.1 to 1.0 or select from listings in pre-defined material list	
	Ambient temperature correction	Automatic correction according to user input	
	Atmospheric transmission correction	N/A	Automatic correction according to user input object distance, relative humidity, ambient temperature
Image storage	Storage Card	Built-in flash memory, Up to 100 images	Built-in flash memory, CF card(1G),Up to 2000 images
	Storage mode	Manual single image saving	Automatic/manual single image saving
	File format-thermal	JPEG,14 bit thermal image with measurement data	
	Voice annotation	N/A	Input via built-in microphone Up to 40 seconds of digital voice per image stored with image
Laser pointer	Laser pointer	Class 2,1mw/635nm(red)	
Power supply	Battery type	Li-ion,rechargeable	
	Battery operating time	3 hours continuous operation	
	Charging system	Intelligent charger	Intelligent charger or power supply adaptor (optional)online charge
	Power saving	YES	
	External power	N/A	10~15V DC
Environment	☑operating temperature	-15°C~+50°C	
	Humidity	≤90% non-condensing	
	Encapsulation	IP54	
Physical	Weight	0.6Kg	

characteristics	Dimensions	250mm×100mm×72mm	
Interface	External DC input	N/A	Yes
	Audio output	N/A	Yes
	Video output	N/A	PAL/NTSC
	USB	Image,measurement data transfer to PC	Image,measurement data and voice transfer to PC