

# Infrared Temperature Warning Systems

## RT-130010

Certified as medical grade by the National Medical Products Administration (NMPA) in China. For those seeking the highest accuracy of human body temperature measurement.

100% of Parts and Production sourced in South Korea.



## River Thermal

Non-medical, Artificial intelligence driven, automatic warning, and high efficiency thermal temperature detection systems.

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# RT-130010

**High accuracy and ultra long distance temperature measurement.**

Certified as medical grade by the National Medical Products Administration in China. For those seeking the highest accuracy of human body temperature.

RT-130010 is a high accuracy, top-range fever system offering suitable for public places with large, orderly flows of people such as airports, transportation hubs, shopping malls, government buildings or enterprises. It uses a deep learning algorithm based on neural network for higher accuracy of multi-point temperature detection.

The RT-130010 is one of the only thermal cameras on the market designed originally for measuring human body temperature in medical environments.

When a high temperature anomaly is detected an adjustable alarm will sound and a photo will be taken.

Meets the ISO IEC 80601-2-59 requirements for the basic safety and essential performance of screening thermograms for human febrile temperature screening



Multi-point scan of the human body including forehead, side of face, neck and hands.

## The Highlights

- Volume: 16 people per second, 48 standing still
- IEC 80601-2-59 Compliant
- GB/T 19146-2010 - CDFA (National Medical Products Administration of China) Certified
- Pitch: 7-14 $\mu$ m
- FOV: 49°x36°
- Resolution: 384x288
- Accuracy:  $< \pm 0.2$  with built-in black body
- Distance: 2-16 meters
- Temperature Range: 0-50° c

## The Essentials

- USB Powered, Plug and Play with Computer
- Reduce measurement time
- Reduce monitoring manpower
- Simultaneous monitoring is available
- Simple installation
- Automatic warning alert
- Auto recording function
- Temperature history function



# RT-130010

## The Specifications

<b>Temperature Measurement</b>	
Measurement Range	0°C~50°C
Accuracy	0.2°C with integrated black body
Calibration	Auto-calibration
Measurement Distance	2-16m
<b>Infrared Camera</b>	
Resolution	384x288
People Per Second	max. 48
Pixel Pitch	17um
Wavelength Range	7~14um
NETD	<50mK
FPS / HZ	9 and 30 hz
Focal Length	8mm
FOV	49°(H)×36°(V) (selectable)
Size	100mm(W) x 100mm(H) x180mm(D)
Video Output	USB
Network Standard	N/A
Protocol Supports	N/A
Input Power Supply	DC5V(USB)
<b>Visible Camera</b>	
Resolution	1280x720
FOV	>50°
<b>Black Body</b>	
Working Temperature	-20~50°C
Radiation Surface	20mmx20mm
Temperature Resolution	0.01°C
Accuracy	0.1°C
Stability	<10s
Size	240x30x35mm
<b>Environment</b>	
Operating Temperature	-10°C~+65°C
Storage Temperature	-40°C~+85°C
Humidity	≤95%(RH)
<b>Data Access</b>	
SDK	No
API	No
Public Cloud	No
On-Prem / Private Cloud	No
<b>Equipment</b>	
Computer	Windows
Computer Included	No
Operating System	Windows 10 64bit
Tripod/Cables Included	No tripods USB cable(3m) and portable case
Black body Included	Yes



## More Highlights

- Warranty: 2 year manufacturer
- Video: [Software Demo](#)
- Video: [Product Demo](#)
- USB Powered, Plug and Play
- Computer not included
- KC / KOLAS and CE Certifications
- Lens: Adjustable
- Portable Case
- Windows 10 64bit
- 2 Year Warranty

