

## LS-TI006 AI Thermal Imaging Human Body Thermometer

### Product Features:

Used for long-distance human body

temperature detection 1.5m~5m;



Camera + embedded motherboard + black body integrated structure, no need to configure a computer, directly connected to the monitor to display and various operations;

Built-in black body, automatic correction, no fear of the influence of environmental temperature changes on thermal imaging;

Start-up, fast and convenient, accurate forehead temperature algorithm measurement, filter the background high temperature influence

Easily connect to the cloud for data analysis.

### Artificial intelligence temperature measurement system

The product integrates a high-sensitivity infrared camera, high-definition visible light camera, high-precision black body, high-performance temperature

measurement engine, non-medical, human Industrial intelligence drive, automatic alarm, visualization platform, high-precision thermal imaging detection system.

LS-TI006 is based on artificial intelligence algorithm and infrared thermal imaging temperature measurement technology. It can quickly check and warn people with fever symptoms in the crowd, and accurately display the highest temperature value.

The equipment is widely used in large public places such as airports, stations, schools, hospitals, factories and shopping malls.

The system is equipped with automatic face recognition and capture, and can quickly detect the thermal temperature of the forehead in milliseconds, with an accuracy of 0.2°C. At the same time, LS-TI006 has an automatic temperature algorithm based on artificial intelligence technology, without on-site manual intervention, can accurately identify and count the number of people passing by, and quickly analyze and display the temperature of individual personnel.

### **Quick Detection**

Large streams of people can be measured and detected with in 0.05 seconds.

### **Sensitivity**

The temperature resolution of the instrument can reach  $\pm 0.2^{\circ}\text{C}$ , which is suitable for long distance in high volume traffic areas.

### **Discrete Measurement**

Measurement can be carried out without the complete knowledge of the detected object.

## Great User Experience

Multi-visual presentation with strong curability, affinity, scientific, and technological capabilities.

## The Specifications

Temperature Measurement	
Measurement Range	20°C -50°C
Field Angle(Calculated Value)	40°C*30°C
Calibration	Self-Calibration
Measurement Distance	1.5-5m
Infrared Camera	
Detector Type	Uncoiled Infrared Array Sensor
Resolution	160X120
Pixel Pitch	17μm
NETD	≤60mk (F/1,300K, 50Hz)
Frame Rate	15 Hz
Temperature Measurement Data Output	Full Range Temperature Output
People Per Second	200 people in one minute
Visible Camera	
Resolution	1920*1080(2 M>illion Pixels)
Imaging Device	1/2.7inch CMOS
Minimum Illuminance0.01	Lu (Color Mode) , 0.001Lux(Black and White Mode)
Signal to Noise Ratio	>56dB
Other Parameters	HAIRCUT Automatic Switching, Backlight Compensation, Strong Light Suppression, Automatic White Balance
Black body	
Black target surface diameter	20mm*30mm
Effective emissivity	0.96 ±0.02
temperature range	(Ambient temperature+5°C)~(50°C)
Temperature resolution	0.01°C
Temperature stability	>±0.1°C/60min
Heating time	<2 minute
Motherboard parameters	
SOC	Broad com BCM2711
CPU	64 bit 1.5GHz Temperature stability (28nm)
Bluetooth	5.0
USB	USB 2.0*2/USB 3.0*2
HDMI	Micro HDMI*2 support 4K60
Powered by	Hype C(5V 3A)

Network	Wi-Fi 802.11AC,Gigabit
multimedia	H.265(4Kp60 decode) H.264(1080p60 decode,1080p30 encode) Opening es,3.0 graphics)
<b>Other Parameters</b>	
Installation Environment	Indoor or Outdoor
castellations Method	Support, Wall Mounting, Hoisting
Working Temperature	0℃~40℃
Size	230mmx142.6mmx88.5mm
out packing size	265 (L) * 270 (W) * 150 (H) mm
weight	1.5 KG