

LS-TI011



1. High sensitivity infrared camera
2. HD visible light camera
3. For long-distance human body temperature detection 1m~4m
4. Camera + embedded motherboard + black body screen integrated structure, smaller size and lighter weight
5. It comes with a 7-inch screen, which can be used directly without an external display, or an HDMI external large screen
6. Built-in black body, automatic correction, no fear of the impact of environmental temperature changes on thermal imaging
7. Accurate forehead temperature algorithm measurement, filtering the background high temperature influence
8. Support mask recognition, abnormal body temperature, immediate reminder and alarm

AI temperature measurement and detection system

The product integrates high-sensitivity infrared camera, high-definition visible light camera, high-precision black body, high-performance temperature measurement engine, non-medical, artificial intelligence driven, automatic alarm, visualization platform, and high-precision thermal imaging detection system.

LS-TI011 is based on artificial intelligence algorithm and infrared thermal imaging temperature measurement technology, which can quickly check and warn people with fever symptoms in the crowd, and accurately display the highest temperature value. This 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-TI011 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.

Product advantages

Quick detection

A large number of people can be measured and detected within 0.1 second.

High sensitivity

The temperature resolution of the instrument can reach $\pm 0.2^{\circ}\text{C}$, which is suitable for long-distance measurement of large flow and large area.

Non-inductive measurement

Measurements can be made without fully understanding the object under test.

Excellent user experience

The system has strong operability, flexibility, scientificity and multi-platform control and display.

Specification

Visible light camera	
Resolution	200mp
focal length	6mm
Imaging device	CMOS
Minimum illumination	0.01Lux (color) -0.001Lux (B/W)
Signal-to-noise ratio	>56dB
Voltage	5.5V
Infrared camera	
Detector type	Uncooled infrared array sensor
Resolution	160*120
Pixel pitch	17um
Working band	8~14 um
Detector NETD	$\leq 60\text{mK}$ (F/1,300K, 50Hz)
Frame rate	15 Hz
Temperature measurement data output	Full temperature output
Temperature range	$20^{\circ}\text{C} \sim 50^{\circ}\text{C}$
Field of view (calculated value)	$40^{\circ} \times 30^{\circ}$
Number of people detected per minute	150~200 人
Black body	
Effective radiation area	20mm*30mm
Area emissivity	0.96 ± 0.02
temperature range	(Ambient temperature+5°C)~ (50°C)
Temperature resolution	0.01°C
Stable accuracy	$\pm 0.1^{\circ}\text{C}$

Heating time	<2minute
Motherboard parameters	
CPU	A53
USB	2.0USB
HDMI	HDMI*1 out
powered by	12V /2A
Other parameters	
IR-CUT automatic switching, backlight compensation, strong light suppression, automatic white balance	
Operating temperature	0℃~40℃
interface	RJ45、USB
Installation Environment	Indoor or outdoor
Installation method	Bracket

Wiring diagram on the back

