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THERMAL CAMERA –ITM-T800

The intelligent body temperature detection system based on thermal imaging temperature measurement technology is a product launched for temperature measurement at large flow entrances and exits. Can fine-tune the flow of pedestrians

Accurate, non-contact, non -sensing temperature measurement, which can be measured and taken at any time, to warn the passage of suspicious persons with fever. Prevent people from gathering while measuring temperature safely,

Provide protection for health and safety in the region.

Application scenario

Park entrances and exits , office buildings, large supermarkets, office halls, subway stations, airports, schools, etc.

Product advantages

1. Accurate and senseless, automatically track human faces, and measure temperature when passing

2. Acousto-optic warning and accurate reminder for feverish personnel, the first time an abnormal body temperature is found

3. Multi-person temperature measurement at the same time, up to 10 faces can be captured at the same time, and they can go along with the measurement to prevent congestion and gathering

4. Convenient installation, no network required, ready to use when power is on

5. Comes with a black body, saving space and measuring temperature more accurately

6. Access and fever records can be viewed at any time and can be exported for easy traceability

7. Support data push to third-party platforms

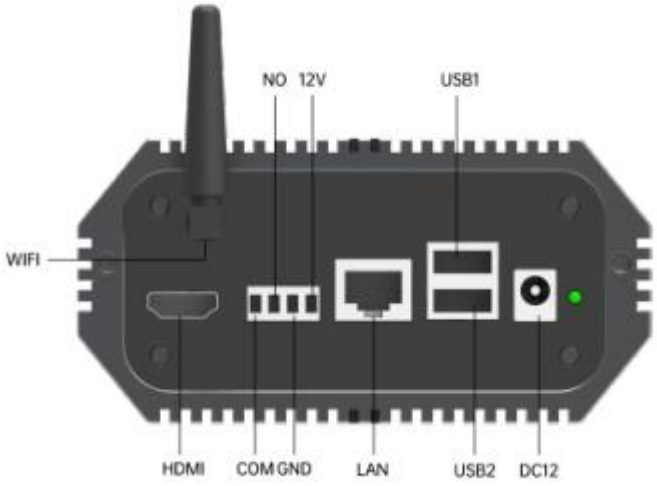
Product specification :

category	Item	Sepcification
body temperature	Temperature measuring distance	0.3~3.5m
	accuracy of measuring temperature	±0.3℃
	Fever warning	sound-light alarm
	Blackbody calibration	Built-in black body real-time calibration
Output	Multimedia output	HDMI can be connected to large screen display
	USB	Can be directly connected with the mouse operation
	1/O output	COM、NO、GND、12V
network	WIFI	Support WiFi network connection
	Cable ports	Support RJ45 wired network access
Function	face recognition	Real-time recognition of faces in the grabbing area, up to 10 faces can be grabbed at the same time
	Face tracking	Support face tracking and scoring, multi-frame recognition, automatic screening of the optimal face
	temperature measurement	Non-contact non-sensing temperature measurement for traffic personnel
	Thermal image	Support AGC4.0、DDE、3DNR
	Visible light function	5 million star class high performance lens, the highest resolution up to 2592*1944@25fps
	Abnormal temperature alarm	People with abnormal body temperature will be warned by sound and light, as well as face warning
	Access records	Records of abnormal and normal temperatures
	The log export	The traffic log is exported using a USB flash drive
	data upload	It can be connected to a third-party platform for data uploading
	Traffic statistics	On the day of the flow of people and fever statistics
	temperature calibration	Support black body automatic temperature calibration and manual temperature compensation

Hardware specifications

category	Item	Sepcification
Main body	machine size	232.0mm(L)*142.0mm(W)*99.5mm(H)
	Operating System	Android
	CPU	4 core A17 high performance face recognition chip
	frequency	1.8GHz
storage	memory	2GB
	memorizer	16GB
Thermal	Thermal imaging temperature measuring module	Vanadium oxide microbolometer detector
	resolution	320*240
	Pixel Size	17μm
	response wave band	8-14μm
	NETD (Noise Equivalent Temperature Difference)	≤50mK@25℃,F#1.0
	Temperature measurement range	30℃~45℃
	Temperature measurement effective distance	0.3m~3.5m
	Default distance of temperature measurement	1m
	Angle of view field	37.2°×50°
	temperature measurement accuracy	±0.3℃
Black body	All-in-one black body	built-in
Visible Light	HD built-in camera	500W Starlight camera
	resolution	2592*1944
	Lens	3mm
Communication	Intelligent Information Stacking	Supports superposition of thermal imaging information (temperature measurement value) in visible light channel images
	WLAN	Built-in WIFI
	bluetooth	Built-in
Power	power adapter	12V 3A
work environment	Working temperature	0℃~35℃
	operating temperture	0℃~35℃
	Work humidity	＜85%
Power	Power Consumption	15W

Device interface schematic



Function	Item	Sepcification
Multimedia output interface	HDMI	Used to connect the display
I/O output	COM、NO、GND、12V	Used to connect Alarm light
RJ45	LAN	Supports 10/100/1000Mbps Ethernet transmission
X 2 USB interface	USB	Used to connect the mouse and U disk
power port	DC12Vinput	12V/3A

FAQ

1. Precautions for installation and use?

It is recommended to be used indoors and in a windless environment. Each time you start the device, you need to warm up (1.5 hours after power on) and then start temperature measurement, otherwise

Will cause inaccurate temperature measurement results.

2. How to measure temperature accurately?

It is recommended to use it with black body for more accurate temperature measurement.

If it is not used with the black body, manual temperature calibration compensation is required. Recalibration is required when the temperature changes.

When installing the black body, please place the black body at the edge area within the visible range of the thermal imaging lens, so as not to block each other with passers-by and affect Temperature measurement accuracy