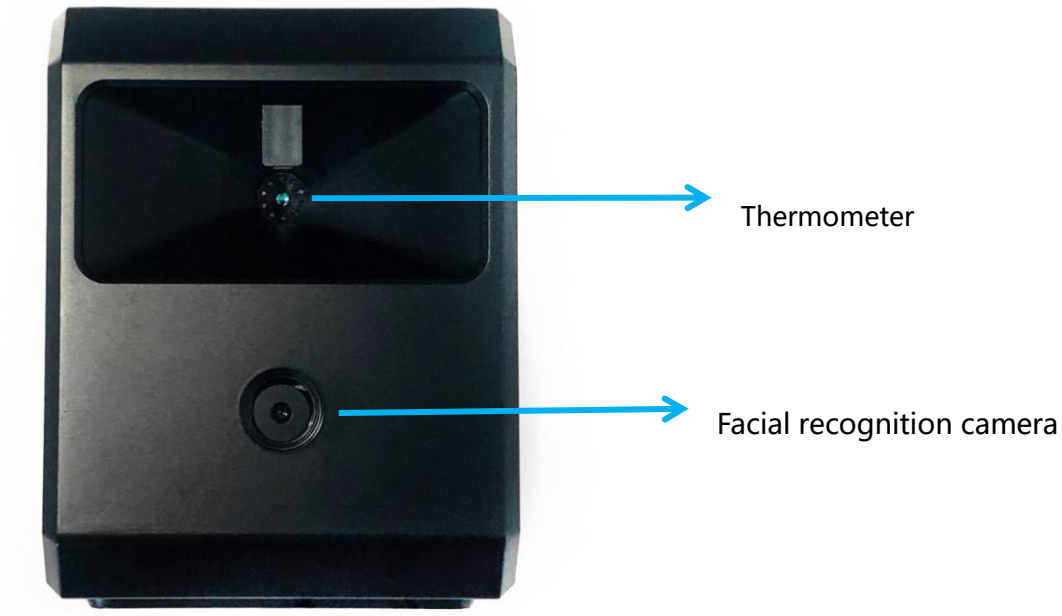
AI Fever Screening System

TTA-AI Series



The TTA-AI Fever Screening System is designed to capture and recognize human faces, and test the forehead temperatures simultaneously. It's used to find out fever personals and give an initial warning for public safety and health purpose.

Features

① Face recognition + forehead temperature testing

② Android operating system

③ Artificial technology based algorithm guarantee accurate testing result and minimizes ambient interference.

④ Support mask and glasses mode, minimize potential virus risks

⑤ Plug and play, easy installation

Specifications

Visible light	
Resolution	1920×1080
focal length	8mm
Temperature testing	
Temperature range	20℃~45℃
Accuracy	≤ ±0.3 ℃ (target temperature: 32 ℃ ~ 42 ℃)
NETD	60mk
Temperature correction	Built-in black body,real-time calibration
measure time	<500ms
Measuring distance	1 ~ 2 meters, best 1 meter,
interface	
Thermometer	RJ45

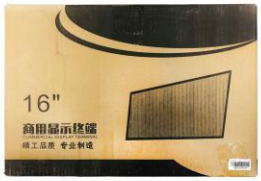
Facial recognition camera	USB
Integrate Android Sever	Power cable
Environmental adaptability	
Operating temperature	16 ~ 32 °C accurate temperature measurement
storage temperature	-20~60℃
Working humidity	<90% (non-condensing)

Software

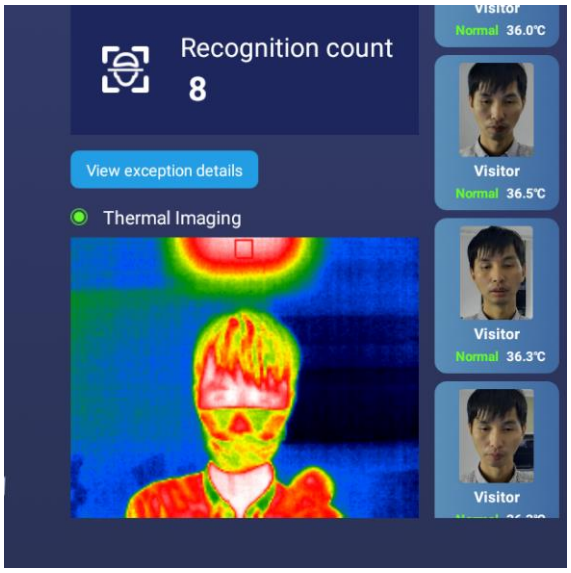
1) Dual-spectrum camera, all-weather real-time monitoring
2) visible light for face recognition, and thermal imaging for body temperature monitoring
3) Recognize faces accurately through face recognition algorithms
4) Measure the temperature of the human face
5) Dynamic on-screen temperature displayed
6) Big data statistics: When a large amount of high-temperature data is found, alert the management staff in a timely manner.
7) Interface and sound abnormal alarm
8) Device settings, Record and personnel management

Order Guide

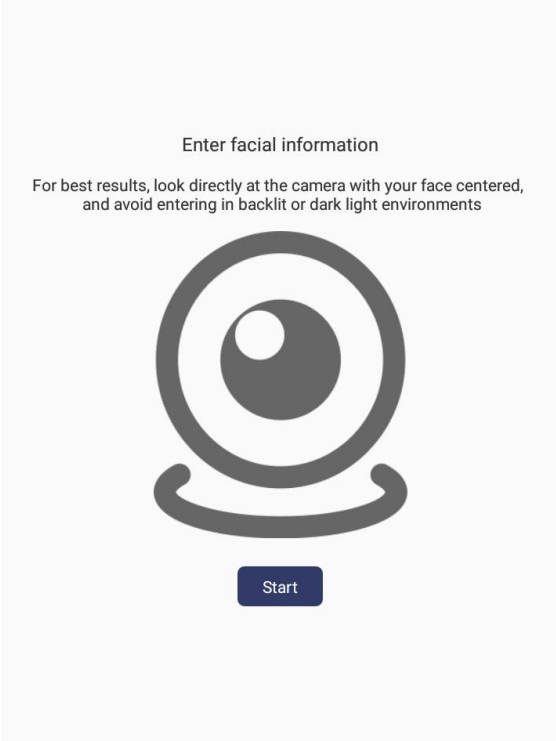
Model	**Description**	**Photo**
AI-001	Integrate Android Sever	

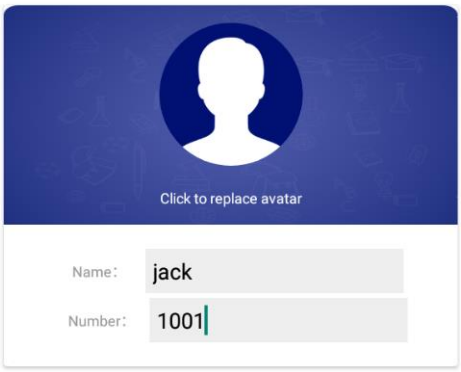
AI-002	AI Detector	
AI-003	Package	 
Optional		
AI-004	TTA-AI Bracket	

Built-in black-body real-time calibration



Personnel Entry (explained in single mode)





Installation

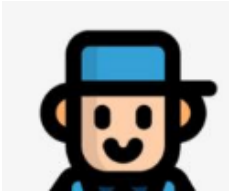
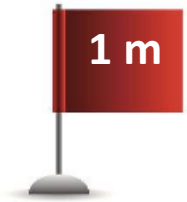
Wall Mount

		
Step 1	**Step 2**	**Step 3**
		
Step 4	**Step 5**	**Step 6**
		
Step 7	**Step 8**	**Step 9**

Bracket Mount

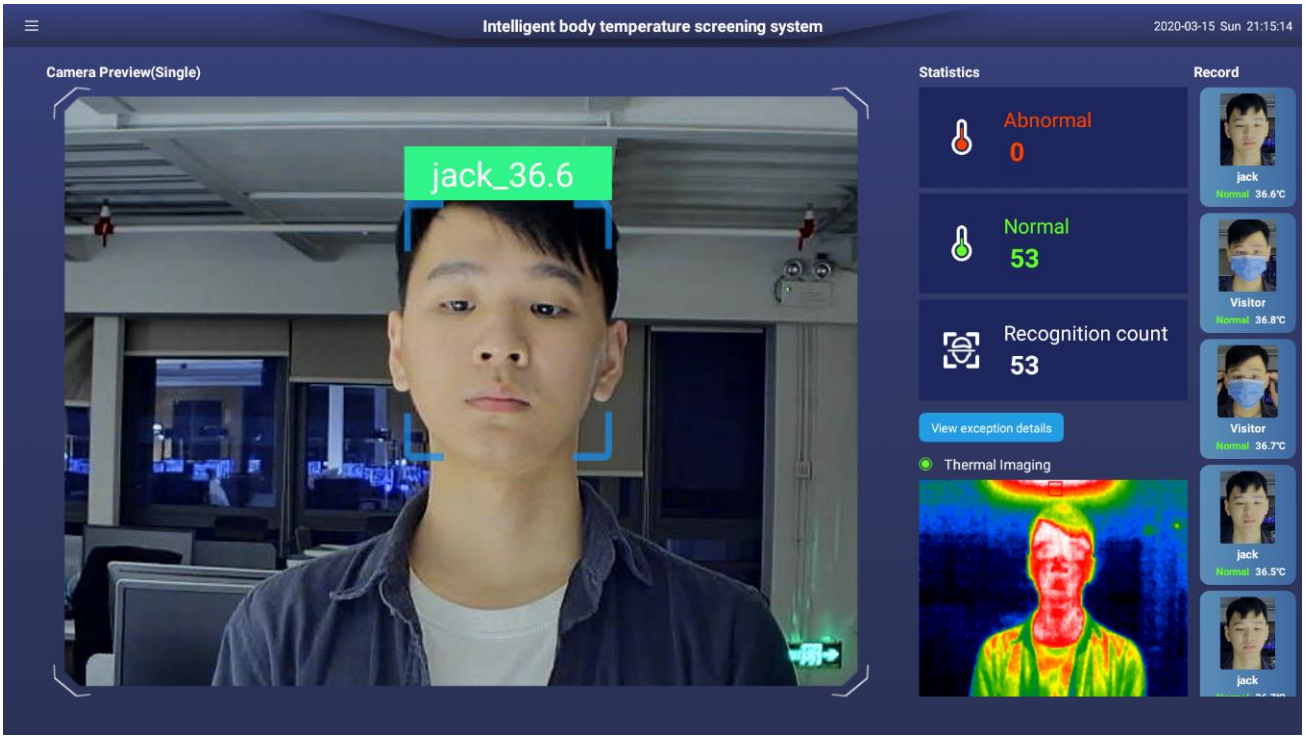
Notes

Item	Description	
	Avoid sunlight	
	Avoid strong back-lighting	
	Avoid using in the environment below 15 ℃	

	no cap, do NOT cover forehead	
	Stand and face the detector 1 meter away	
 **2 min**	Wait minimum 2 minutes to warm up the devices before starting test if devices are moved from outdoor to indoor	
 **20 min**	Wait minimum 20 minutes to adapt to room temperature before testing	
 **5 min**	Wait minimum 5 minutes for system initialization and self calibration in case power up	

Test picture

Recognize faces and measure temperature

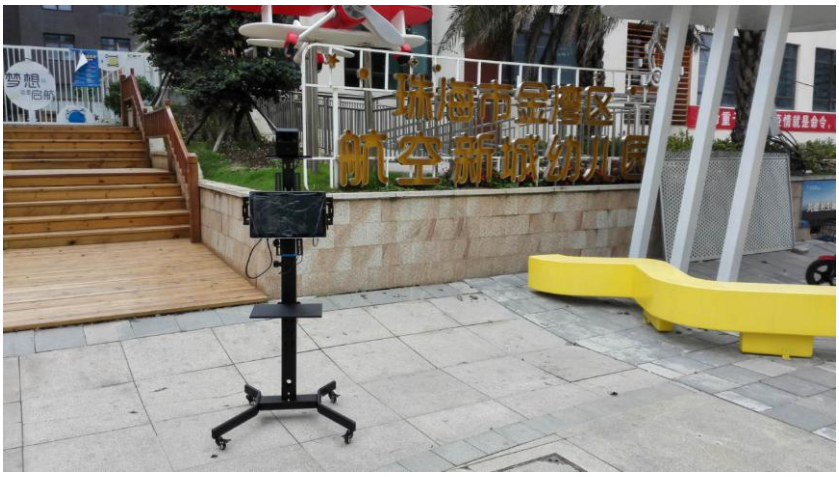


Face recognition and temperature measurement (in mask mode)

System Captures and traces forehead only, ambient temperature abnormal target (lighter, cigarette, etc) do NOT influence the accuracy

Applications

This system can be widely used in hospitals, railway stations, hotels, airports, schools, kindergartens, customs, supermarkets, governments, administrative halls, and enterprises, etc.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