

SEED-114992189



PRODUCT DETAILS

The Remote AI Temperature Screening System is designed to provide non-contact forehead temperature inspection. The system is optimized to work accurately with a margin of error within 0.3 degrees Celsius even in situations where the persons to be tested wearing masks, as long as they are standing in front of the system within 3 meters of range.







This system is perfect for populated locations where rapid temperature inspection is needed, especially in the situation of containing the COVID-19 pandemic where people need to wear masks while measuring the temperature.







The system is equipped with a facial recognition feature. As long as the facial information is in the database, the system can recognize faces and measure forehead temperature at the same time. The temperature inspection accuracy doesn't get affected even when the person wears a mask.

Key Features

- Non-contact, remote forehead temperature inspection & facial recognition

- Multi-point temperature data collection to ensure accuracy
- Face detection to collect temperature data on faces and forehead only, avoiding interference from surrounding environments
- Accurate temperature inspection even with masks on
- Simultaneously monitoring the temperature of many people
- Acute face recognition of people who are in the database
- Play & play: Work right after the device is connected to the power and a display, no extra configuration needed
- Alarm setting enabled: preset the lowest and highest temperature value, and when abnormal values are detected, the system will send out alarms

Item	Description	
	Avoid sunlight	
	Avoid strong back-lighting <small>(screen is not included)</small>	
	Avoid using in the environment below 15 °C	

	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	

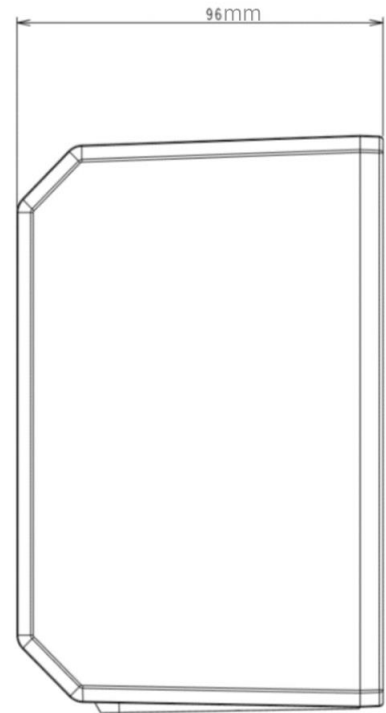
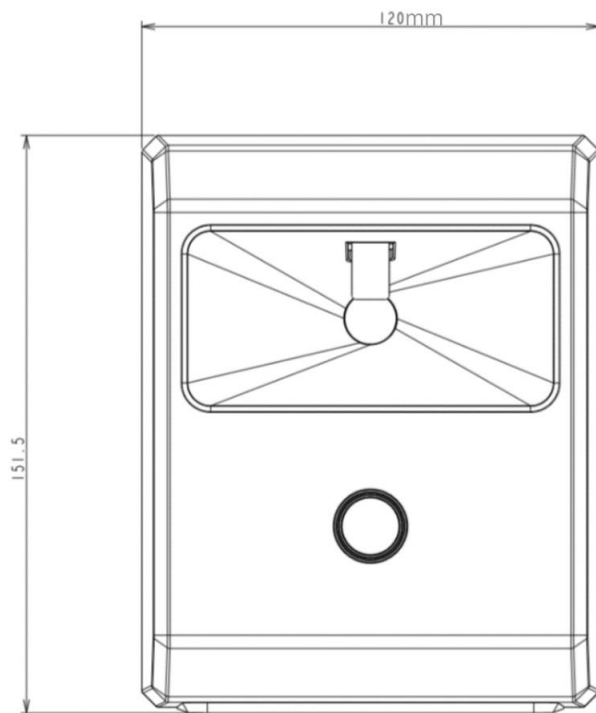
Applications

This system can be widely used in locations such as hospitals, airports, subway stations, train stations, exits & entrances of industrial parks and shopping malls, offices, and schools, etc.

Imaging	
Resolution	1920 x 1080
Focal Length	8mm
Temperature Monitoring	
Temperature Range	20°C ~ 45°C
Accuracy	≤ ±0.3°C(target temperature: 32°C~42°C)
Measuring Duration	< 500ms
Measurement Distance	<3m (optimal range: 1~1.5m)
Temperature Correction	real-time auto-correction with embedded blackbody
NETD	60mk
Environmental Adaptability	
Optimal Operating Temperature	16°C~ 32°C
Storage Temperature	-20°C ~ 60°C
Working Humidity	<90% (non-condensing)
Certifications	
FCC, CE certifications	

Hardware Overview

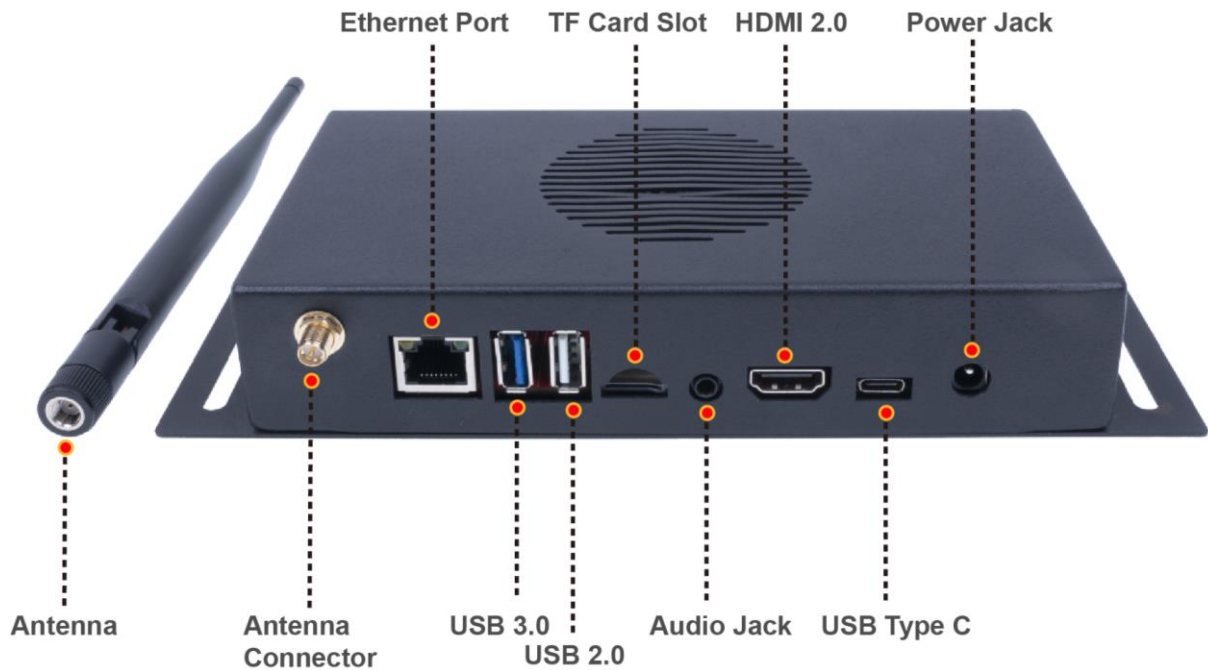
AI Detector with thermal imaging camera and facial recognition camera. You can see the dimension and interface overview below.



Thermometer

Facial recognition camera

The terminal includes the CPU and AI algorithms. You can see the interface overview below.



Software Features

Front-end Application Software

- Face detection and recognition
- Temperature screening
- Abnormality alert
- Data display
- API available to be connected to a third-party data platform

Back-end software

- Personnel management
- Temperature collection and algorithm
- Abnormality alert setting
- Attendance management
- Device management
- Location management of multiple devices

Part List

- AI detector x 1
- Terminal x 1
- Power adapter x 2
- USB cable x 1