Human Temperature Measurement Solution

Anti-COVID19
You can’t turn on the news or check Twitter without seeing something about the coronavirus (COVID-19), a new strain of respiratory illness that the World Health Organization (WHO) says hasn’t previously been identified in humans.
As the spread of coronavirus (COVID-19) continues to grow worldwide, there’s been an increased panic surrounding public safety, particularly on Offices, Shopping Malls, Banks, Hotels, Factories, Schools etc.
An outbreak of a new coronavirus has occurred in Wuhan, and there have been many cases of the disease across the country.

- The State Council deploys prevention and control of pneumonia epidemic: implements measures such as temperature measurement in key places, and joint prevention and control by multiple departments.

- The State Council has issued the “Guidelines for the Prevention and Control of Outbreak Situations in Resuming Work and Resuming Production in Enterprises and Institutions”, which clearly guarantees the physical health of the employees on the job. Each enterprise must conduct daily temperature inspections and sanitation before work on the employees. Ensure that the health of the employed workers is good.
### SUMMARY

<table>
<thead>
<tr>
<th>No</th>
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<th>SUMMARY</th>
<th>SOLUTIONS</th>
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<tr>
<td>1</td>
<td></td>
<td>Ordinary forehead temperature guns have a risk of close contact</td>
<td>Infrared non-contact temperature measurement, safe and reliable</td>
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<td>2</td>
<td></td>
<td>Less efficiency</td>
<td>Face recognition temperature measurement, fast and effective</td>
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<td>3</td>
<td></td>
<td>Poor traceability of manual temperature and epidemic prevention</td>
<td>System traceability, well documented</td>
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<td>4</td>
<td></td>
<td>Low accuracy of ordinary thermal imaging detection</td>
<td>Infrared temperature measurement accuracy ± 0.3 °C</td>
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### SOLUTIONS—ANALYSIS

- **Transportation Hub**
  - Air Port
  - Railway Station
  - Bus Station
  - Subway

- **Public Area**
  - Hospital
  - Community
  - School
  - Enterprise
• Plan A:
  Temperature Measurement Thermal Tablet
  Face Recognition, Temperature & Mask Detection System.

• Plan B:
  Precise Temperature Measurement Thermal Camera
  Precise Temperature Measurement Thermal Camera
PRODUCTS——Plan A

Face Recognition, Temperature & Mask Detection System.

Features

• Non-contact automatic Body Temperature Detection
• Support Mask Detection
• Support Voice Alarm (For Abnormal temperature, No Mask)
• Unique Facial Recognition Algorithm.
• Facial Recognition time < 1 Second
• Face Database ≥ 30 000 faces
• 8Inch IPS HD Display
• Prevent COVID-19 epidemic by detecting human temperature and require mask wearing.
### Advantage of this product

- We use the high-precision temperature measurement module in this device. The temperature measurement accuracy is ±0.3°C.
- We use 8Inch large HD screen. Generally these kind of devices use 7Inch or 6Inch screens.
- Binocular Live Detection can distinguish between real and dummy and reducing the risk of fraud.
- Our product temperature measurement supports Celsius as well as Fahrenheit to meet your local needs.
- We currently support English, Chinese, Korean, Italian and other voice broadcasting. We can customize the local language according to your needs.
- We have professional and experienced technical support personnel to provide services to avoid worries.

### PRODUCTS——Plan A

<table>
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<th>Aisle gate installation</th>
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<tr>
<td><strong>Normal Temp</strong></td>
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<tr>
<td>36.8°C</td>
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<tr>
<td><strong>Abnormal Temp</strong></td>
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<tr>
<td>37.8°C</td>
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</table>

**Aisle gate installation**
PROPRODUCTS——Plan A

Application

Supermarket

Factory

Hospital

School

Railway Station

Office
Precise Temperature Measurement Thermal Camera

Features

• Resolution 384×288.
• Temperature Detection Accuracy ±0.3°C
• Frequency 50Hz, Gigabit network. Support temperature data transmitting real time.
• Compact size, Easy to install in small space
• Multi-lenses option
• Prevent COVID-19 epidemic by detecting human temperature.
Human body temperature screening program

Only need to deploy a human body temperature measuring binocular camera (with sound and light alarm) and high-precision human body temperature measuring black body at each entrance, and connect to the on-site computer to achieve the temperature detection of the inspected personnel. The alarm reminds the on-duty personnel for further disposal.

Temperature measurement accuracy: ± 0.3 °C, with black body
Temperature measurement range: 30 °C ~ 45 °C
Detector resolution: 256 * 192
Thermal imaging lens: 3.5mm / 7mm optional
Sound and light alert: built-in white light warning light, audible & visual alarm

Convenient deployment: human body temperature measurement thermal imaging camera + black body + ordinary PC constitutes a small temperature measurement station
All weather: 7x24 hours online real-time temperature measurement, preliminary screening, early warning intervention
Efficient: detection time is less than 1 second, can detect multiple people at the same time

Safety: non-contact thermal imaging temperature measurement to avoid cross infection risk
Monitoring Center

**Camera temperature measurement**

+ **Face recognition / mask wearing detection**

**Insight VCR**

**Monitoring platform**

**Large screen display**

**Mobile**

**Monitoring Center**

-- **Human body temperature measuring camera (With sound and light alert)**

**Human face, human body temperature measuring gate**

**Card/Face detection + Temperature Measure Gate + Face recognition / mask wearing detection**

**Camera temperature measurement + Face recognition / mask wearing detection**

**Highlights**

- **Efficiency:** detection time is less than 1 second, can detect multiple people at the same time
- **High accuracy:** ± 0.3 °C
- **24/7:** 7x24 hours online real-time temperature measurement warning
- **Safety:** non-contact thermal imaging temperature measurement, safe and reliable
- **Traceability:** can trace back and analyze historical data

**PRODUCTS——SYSTEM STRUCTURE (Plan A&B)**
Highly reliable and stability
Adopting the industry’s most stable and cost-effective detector metal packaging technology, low temperature drift, and blackbody equipment, can meet ultra-high-precision temperature measurement in a variety of environments, effectively improving the abnormal temperature detection rate.

Dual light intelligence, low false alarm rate
The industry is the first to adopt the visible light + thermal imaging dual light algorithm. Through the optimization and partitioned human detection technology, it accurately locates the temperature measurement site, reduces the false alarm rate and improves the environmental adaptability.

Large focal length, longer measurement distance
Focal length 7.5mm, 13mm (optional), best temperature measurement distance 3m, strong environmental adaptability.
Concurrent temperature measurement of large flow

Concurrent temperature measurement with large flow, perfect solution to temperature measurement problems during peak periods.

Traditional temperature gun:
- Single pass, 3s per person

Professional Thermal Imaging:
- Resolution 192 * 144, small field of view, suitable for passage-type scenes such as office buildings, complexes, corporate office buildings, hotels, etc., only 3 number of people in the same screen.

High-end thermal imaging:
- Resolution 400 * 300, wide field of view, suitable for open areas such as lobby, atrium, 15 peoples per second.