



# Human Temperature Measurement Solution

Anti-COVID19

A decorative pattern of small, light blue and white dots arranged in a circular, radial pattern on the left side of the slide.

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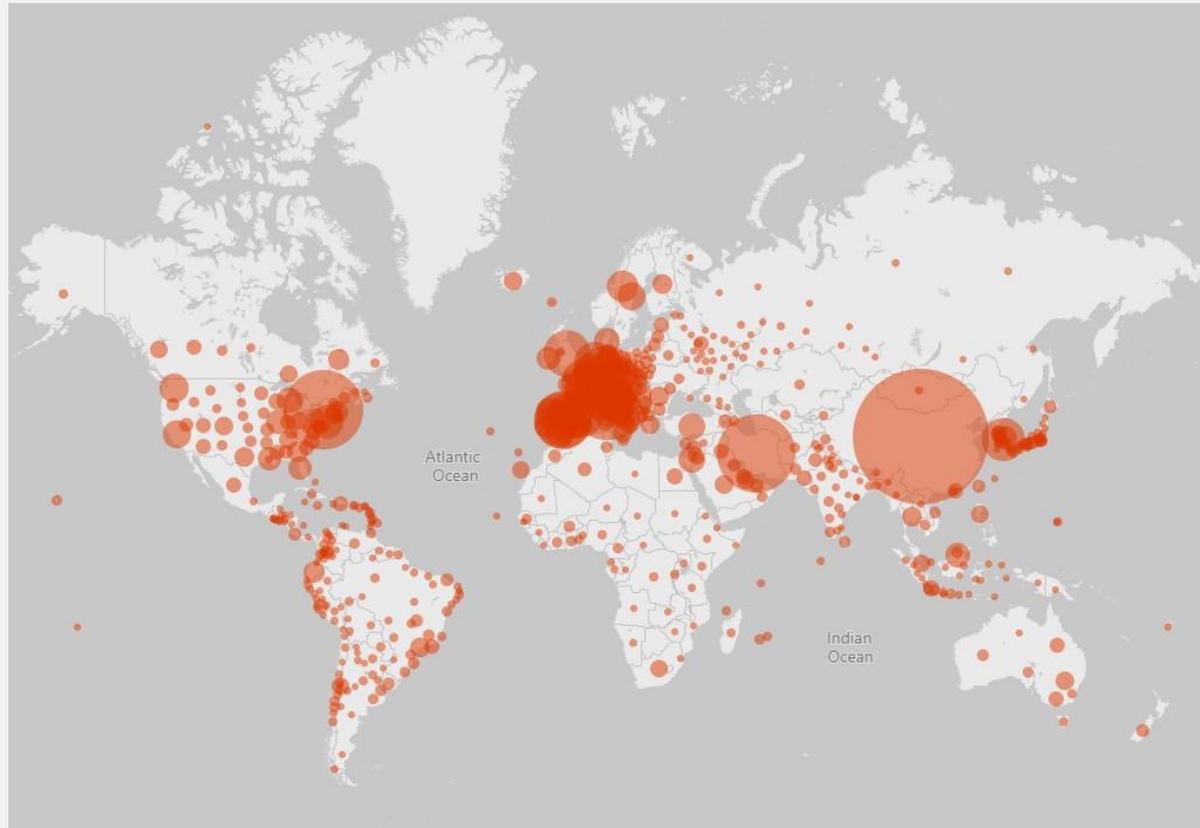
You can't turn on the news or check Twitter without seeing something about the coronavirus(COVID-19), a new strain of respiratory illness that the World Health Organization (WHO) says hasn't previously been identified in humans.



# DEMAND BACKGROUND



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.



## Question

- Human-to-human transmission of new coronavirus
- How to Troubleshoot Outbreaks

## Defence

## Control

## Discover

- Human body temperature detection
- Wearing a medical mask

### 《企事业单位复工复产疫情防控措施指南》印发

国务院应对新型冠状病毒感染肺炎疫情

联防联控机制关于印发企事业单位

复工复产疫情防控措施指南的通知

国发明电（2020）4号

各省、自治区、直辖市人民政府，国务院各部委、各直属机构：

《企事业单位复工复产疫情防控措施指南》已经中央应对新型冠状病毒感染肺炎疫情工作领导小组同意，现印发给你们，请结合实际抓好贯彻落实。

国务院应对新型冠状病毒感染肺炎

疫情联防联控机制

2020年2月21日

## End Of 2019

An outbreak of a new coronavirus has occurred in Wuhan, and there have been many cases of the disease across the country.

## January 20, 2020

- 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.

## February 21, 2020

- 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.

# SOLUTIONS—ANALYSIS



No	SUMMARY	SOLUTIONS
1	Ordinary forehead temperature guns have a risk of close contact	Infrared non-contact temperature measurement, safe and reliable
2	Less efficiency	Face recognition temperature measurement, fast and effective
3	Poor traceability of manual temperature and epidemic prevention	System traceability, well documented
4	Low accuracy of ordinary thermal imaging detection	Infrared temperature measurement accuracy $\pm 0.3\text{ }^{\circ}\text{C}$

## 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



## 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  $\geq 30\,000$  faces
- 8Inch IPS HD Display
- Prevent COVID-19 epidemic by detecting human temperature and require mask wearing.



# PRODUCTS—Plan A

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## Advantage of this product



We use the high-precision temperature measurement module in this device.  
The temperature measurement accuracy is  $\pm 0.3^{\circ}\text{C}$ .



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.



Aisle gate installation



Normal Temp



Abnormal Temp

## Application



Supermarket



Factory



Hospital



School



Railway Station



Office

## Precise Temperature Measurement Thermal Camera



### Features

- Resolution 384×288.
- Temperature Detection Accuracy  $\pm 0.3^{\circ}\text{C}$
- 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:**  $\pm 0.3\text{ }^{\circ}\text{C}$ , with black body

Temperature measurement range:  $30\text{ }^{\circ}\text{C} \sim 45\text{ }^{\circ}\text{C}$

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

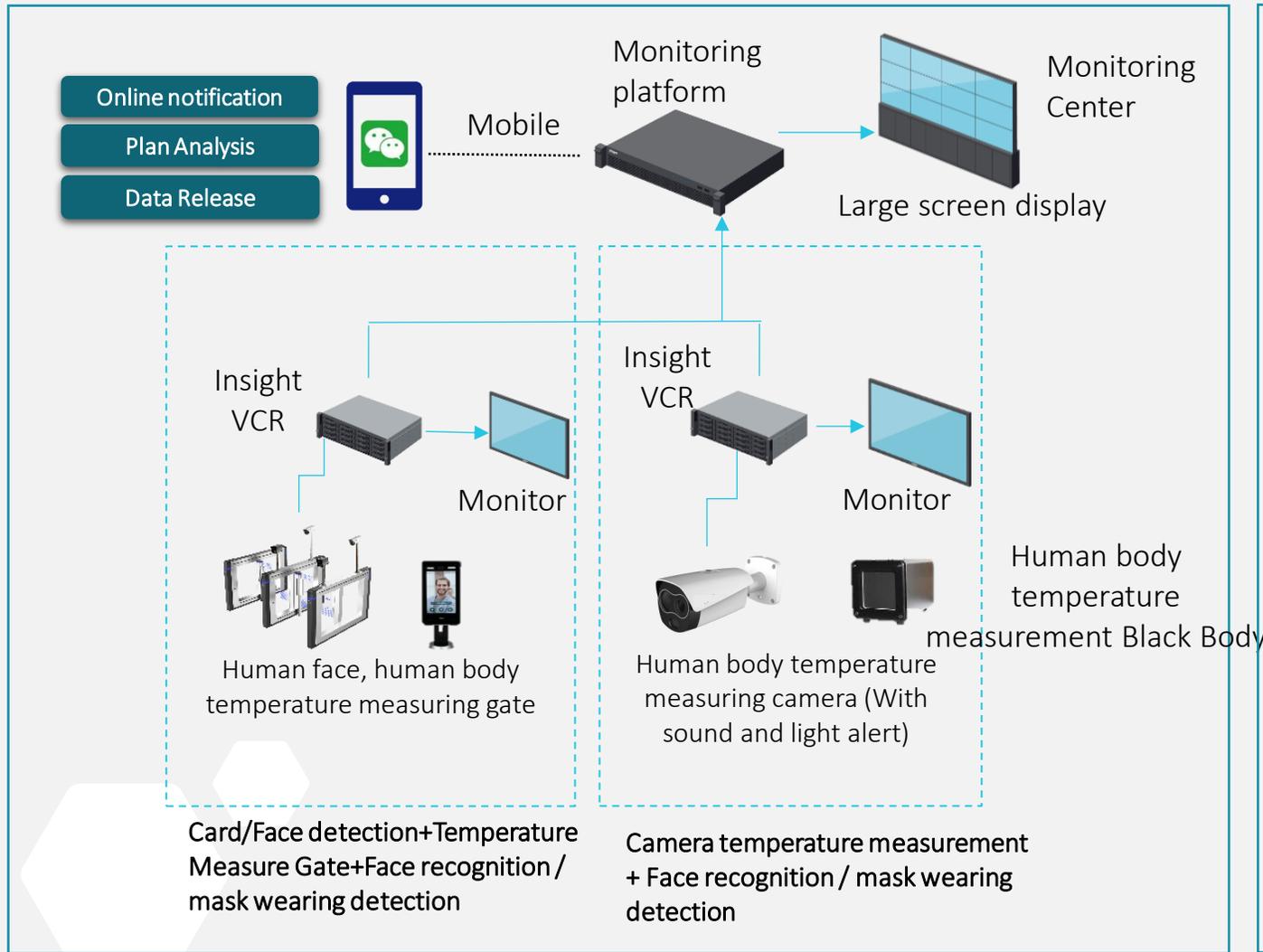


**Safety:** non-contact thermal imaging temperature measurement to avoid cross infection risk

# PRODUCTS—SYSTEM STRUCTURE (Plan A&B)



## Highlights



Efficiency : detection time is less than 1 second, can detect multiple people at the same time

High accuracy : plus black body  $\pm 0.3$  °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

## High-precision non-contact temperature measurement

Medical Temperature Gun VS High Precision Thermal Imaging  $\pm 0.3\text{ }^{\circ}\text{C}$



### 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

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