



Bringing Smart IT to Life.

# HANATECH

## Body Temperature Measurement System

36.6°C



35.8°C



36.1°C



Contactless Temperature Measurement System  
Based on Artificial Intelligence for Epidemic Fever

[www.hanatech.ca](http://www.hanatech.ca)

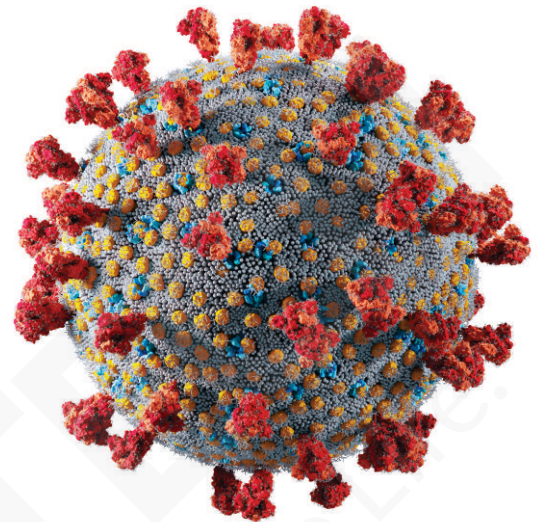
## A Pneumonia from a New Coronavirus Broke out in Wuhan

When an epidemic breaks out, a command is issued. It is our responsibility to prevent and control it.

A pneumonia from a new coronavirus broke out in Wuhan in Dec, 2019. Due to human-to-human infection, even in the incubation period, the coronavirus has rapidly spread to all parts of China in a short time.

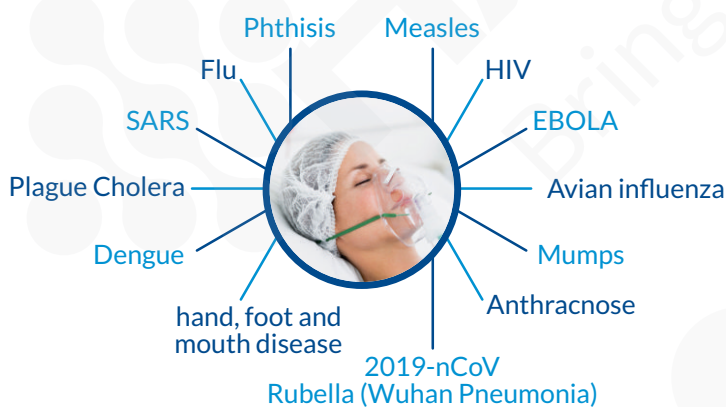
The prevention work has been even more difficult because many medical staff were infected. The government has started first-level response to the prevention and infection control.

Comes at a time when more people are returning from their Spring Festival Holiday, various isolation measures have been introduced throughout the country to control the spread of disease.



## The Typical Pneumonic Symptom of 2019-nCoV Infection Is Fever

According to the statistics of clinical manifestations, 28 statutory infectious diseases out of 39 have fever symptoms in the early stage.



Academician Zhong Nanshan said in today's interview that fever is still the typical symptom of 2019-nCoV infection. "Firstly, fever is the main thing, and then fatigue." Zhong Nanshan said, some patients only have symptom once back home, but no symptom while staying in Wuhan. So in the airport, port and railway, to take body temperature measurement is typical and requisite.

**BODY TEMPERATURE MEASUREMENT**  
is an important means of epidemic prevention and control

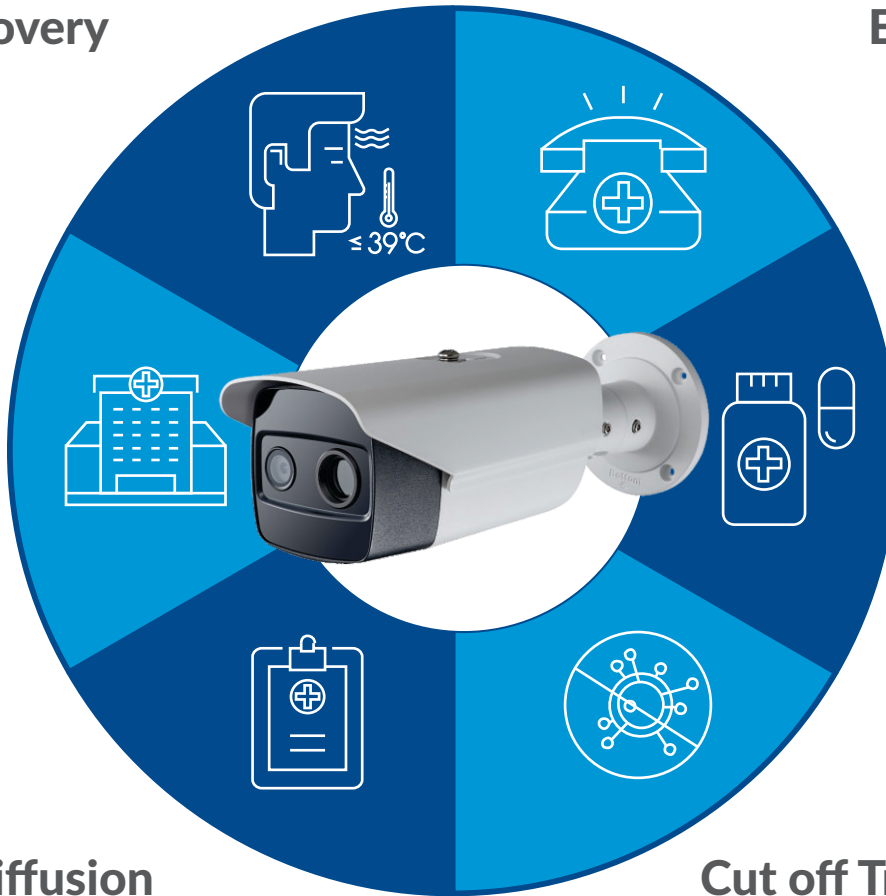
## Guiding Principles for Prevention & Control of Infectious Diseases

• Early Discovery

Early Report •

• Early Isolation

Early Treatment •



• Prevent Diffusion

Cut off Transmission •

## The Pain Points of Traditional Temperature Measurements for Preventing Infectious Virus



### Waste Time and Energy

- In stations, airports, docks and other places with large traffic flow, a large number of passengers wait in queue.



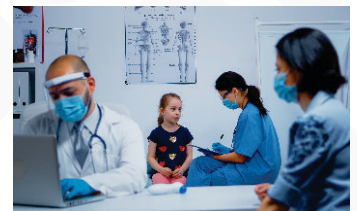
### Contact Temperature Measurement

- Easy to cause cross infection.
- Cause psychological burden to the detected personnel.



### Not for Long-term Use

- There is no mechanism to measure body temperature in public places during the nonepidemic period and the early outbreak period, Easy to cause a large area of virus infection.



### No Formed Data Accumulation

- Generally, temperature information has not formed as data, so it is difficult to analyze and evaluate the health and epidemic prevention, and difficult to improve the epidemic prevention and control.

# HANATECH Thermometer Technology



## Accurate face tracking Present results in real time

Face recognition algorithm is used to accurately locate the temperature to the target



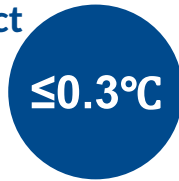
## Bi-spectrum, dual channel All-weather real-time monitoring

Visible light can capture human face and thermal imaging can monitor body temperature



## Multi-objective fast non-contact temperature measurement

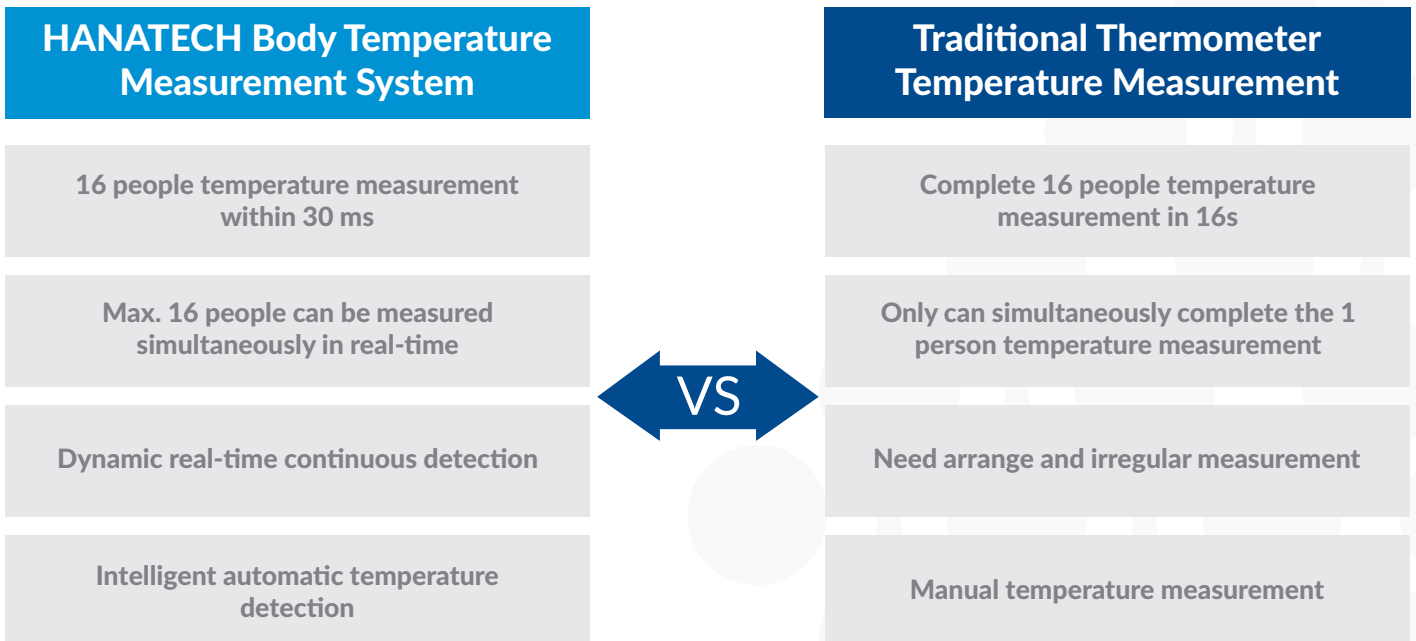
Complete 16 target temperature measurements within 30 milliseconds at a distance of 3-5 meters



## Temperature accuracy $\leq 0.3^{\circ}\text{C}$

Modified  $\leq 0.3^{\circ}\text{C}$  (emissivity, distance, ambient temperature, etc.)

## Advantages Compared to Traditional System



## Key Features



Face Recognition  
Temperature Measure



Support Mobile  
APP

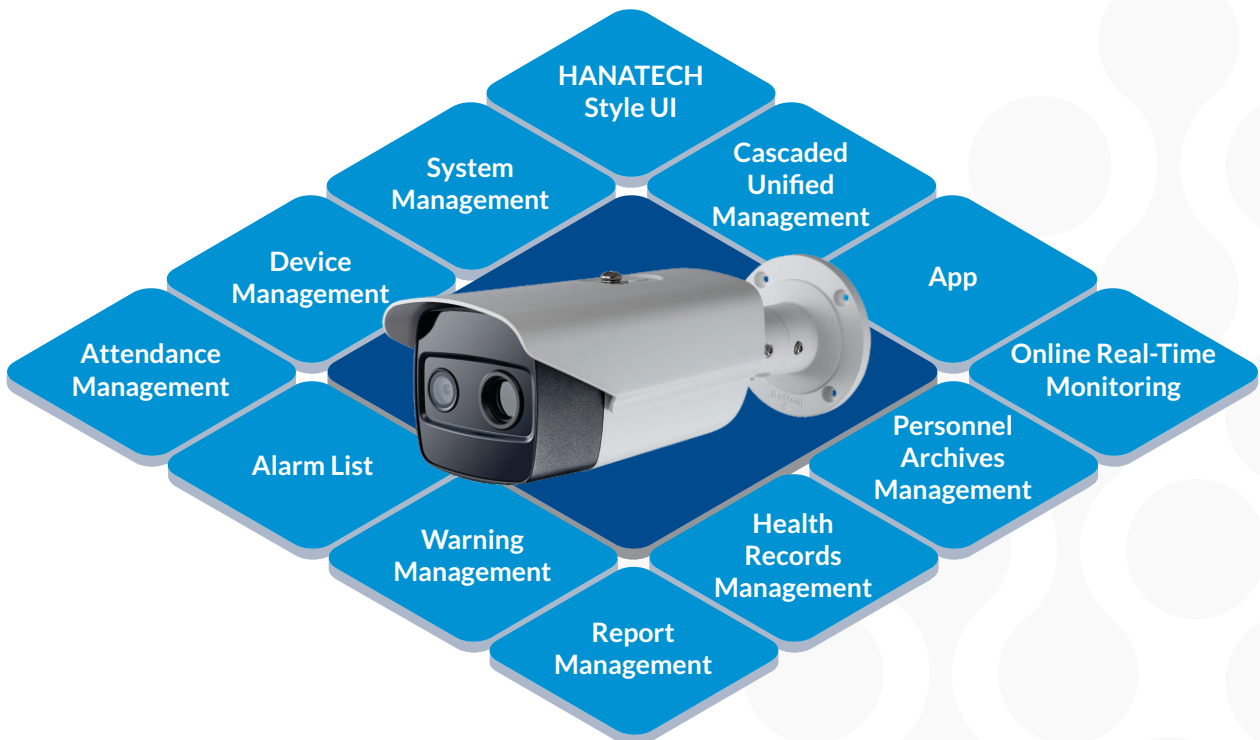


Over-temperature  
Real-time Warning



Data can be Checked and  
Analyzed

## HANATECH Body Temperature Measurement System



# Application Cases for Epidemic Prevention and Control



SCHOOL



PUBLIC BUILDING



MANUFACTURING



WAREHOUSE



CONSTRUCTION



OFFICE



SUPERMARKET



Bringing Smart IT to Life.

1-844-HANATEC

📍 1600 Bedford Highway, Suite 300  
Bedford, Nova Scotia, Canada B4A 1E8

✉ Sales@hanatechiot.com

🌐 www.hanatech.ca