

Since 1950s



WELCOME

WUHAN HUAZHONG NUMERICAL CONTROL CO., LTD.

2020



ABOUT HCNC



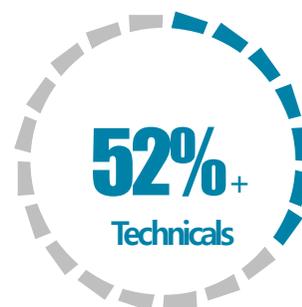
Wuhan Huazhong Numerical Control Co., Ltd. (Hereinafter referred to as **HCNC**)

was established in 1994 with a registered capital of 172,79 million yuan and its history could be dated back to 1950s.

HCNC is a high-tech enterprise which specializes in R&D, production, sales of CNC system, industrial robot, infrared thermal imager, new energy vehicle.

HCNC was successfully listed on the GEM with Stock Code 300161 in 2011.

HCNC was granted one of national first batch of 91 Innovative Enterprises by Ministry of Science and Technology and State-owned Assets Supervision and Administration Commission of the State Council.



INFRARED PRODUCT

Infrared Body Surface Temp Screening Instrument

Professional Equipment to Prevent Epidemics from Spreading



HY-2005B

More precision and high configuration

Fully enhance the performance and increase the cabinet to improve the image



INFRARED PRODUCT

Infrared Body Surface Temp Screening Instrument

Professional Equipment to Prevent Epidemics from Spreading



HY-2005B/E

Easy installation and operation

A computer connects thermal camera and black body to monitor the body temperature



INFRARED PRODUCT



System Parameter

Name	Technical specifications	Technical specifications
Type	HY-2005B	HY-2005B/E
Detector pixel	640*512	384*288
Detector pixel spacing	0.63mrad	0.99mrad
Infrared imaging distance	200m	150m
Lens focal length	19mm	15mm
Field of view	32° × 26°	24° × 18°
Thermal sensitivity	0.05°C	0.05°C
Temperature measurement range	0°C-50°C	20°C-50°C
Temperature measurement precision	±0.2°C	±0.3°C
Temperature measurement mode	External black body real-time calibration measurement	Internal black body real-time calibration measurement
Visible camera pixel	200Megapixel	130Megapixel
Video mode	Double-light fusion	Double-light fusion
Instrument composition	Industrial cabinet+computer+holder of black body	Computer+ 2 triangle holders
Power	AC 220V	AC 220V
Interface, communication protocol	Ethercat, TCP/TP, UDP	Ethercat, TCP/TP, UDP
Temperature at operation	0°C-50°C	0°C-40°C
Optimum measurement channel width	≤2.5m	≤2.5m
Optimum measurement distance	6-8m	5-7m
End customer management software	1 set	1 set



Parameter comparison with other brands

Item	HCNC infrared body temperature detection system
Classification	IR human body temperature measurement
Measurement accuracy	$\pm 0.3^{\circ}\text{C}$
Measurement stability	Temperature measurement is always stable
Third party identification certificate	National approval certificate of measuring instruments
Third party identification	Supplier of temperature measurement products agreed by AQSIQ for 10 consecutive years
Market segment share of IR body temperature measurement	60% or more



INFRARED PRODUCT



Features:

Quickness

Measure the temperature within 1 second



Non-contact detection

Body temp measurement at a distance of 5-8m which is not easy to cause people's aversion and avoids cross infection



INFRARED PRODUCT

Sensitivity

Temperature resolution 0.05°C to make it easy to find out the fever precisely



Features:

Concealment

Temperature measurement is performed without people's knowing, and does not affect the normal order of airport, metro, and other places



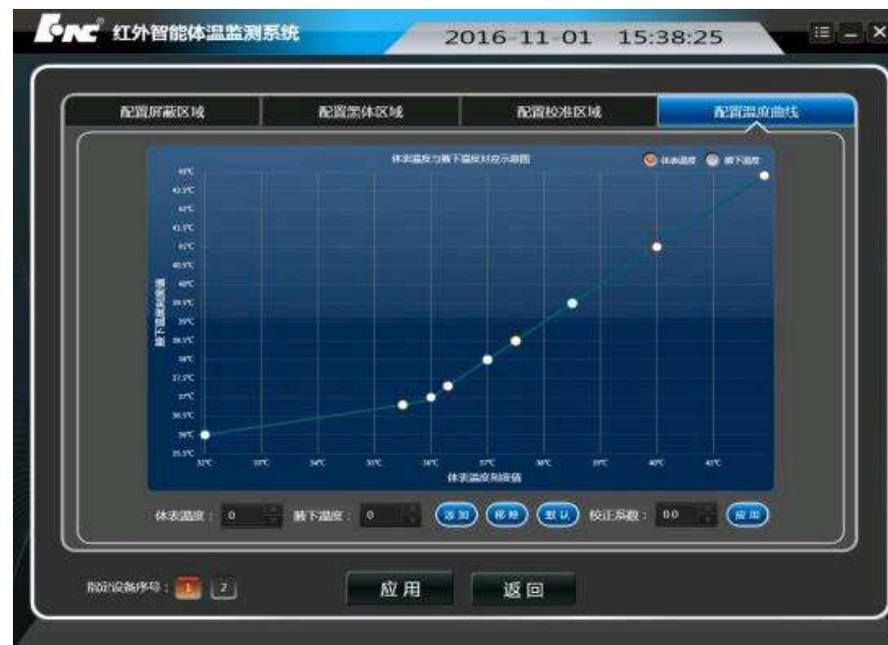
INFRARED PRODUCT

Powerful, efficient, accurate



Real-time information/history information is displayed at the same time. Query is convenient and fast

Temperature curve setting is easily learned and applied



INFRARED PRODUCT

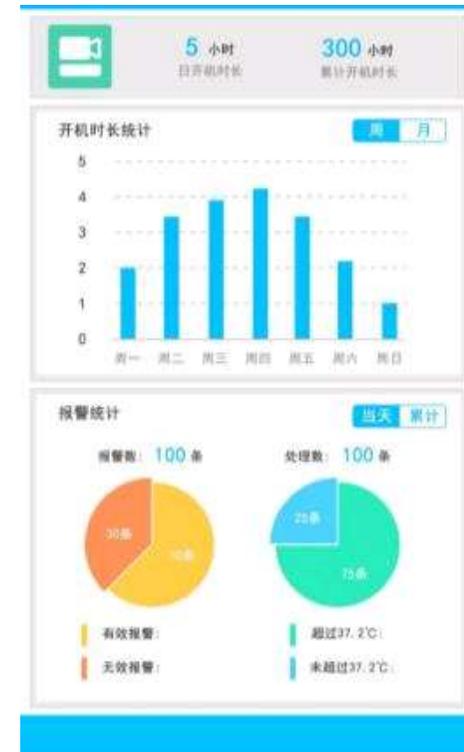
Powerful, efficient, accurate



Flexible alarm parameter setting



Smart management for abnormal body temperature data



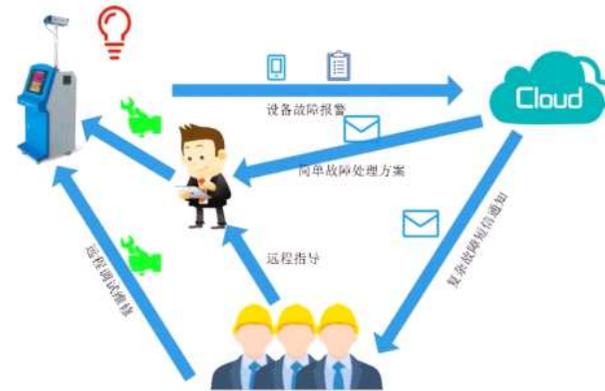
SYSTEM BIG DATA CLOUD PLATFORM



Internet+, Intelligence+ Functions

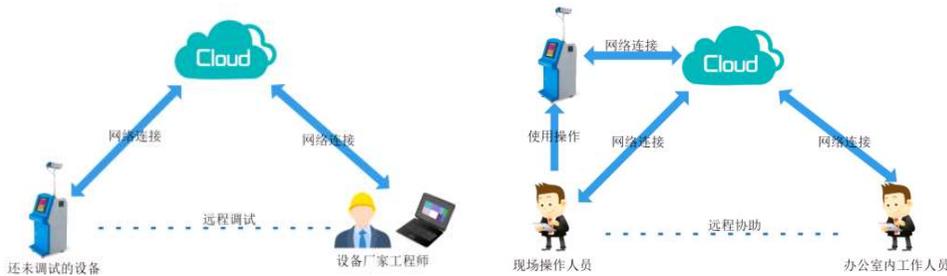
Through internet of things technology, big data cloud platform connects all the infrared thermal imagers into the internet, and realizes the remote commission, remote maintenance, remote monitor and management, abnormal temperature big data and intelligent application and other relevant cloud services.

Cloud platform reduces the threshold of equipment utilization and supplies multiple manners for prevention and analysis of epidemic.



Remote maintenance and repair

Main Functions of Cloud Platform



Remote commissioning and technical support



Remote management and monitor

HY-2005B
Infrared Body Surface Temp Screening Instrument
Has been widely used to contain epidemics

YEAR	EPIDEMIC
2003	SARS
2009	H1N1 Influenza
2012	Avian Influenza
2014	Ebola
2019	Mouse Epidemic of Inner Mongolia
2019-2020	COVID-19



APPLICATIONS



Government, Schools

Hospitals, Bank

Airports, Ports, Custom

Railway Stations & Metro



Other public places like factories, etc.



AIRPORTS, CUSTOM CASES



BEIJING CAPITAL INTERNATIONAL AIRPORT



SHENZHEN BAOAN INTERNATIONAL AIRPORT



AIRPORTS, CUSTOM CASES

JINAN AIRPORT



Other Cases

- Wuhan Tianhe Airport
- Guangzhou Baiyun Airport
- Shanghai Pudong Airport
- Nanjing Lukou International Airport
- Chongqing Airport
- Wuhan Custom
- Shenzhen Custom
- Beijing Capital International Airport custom
- Tianjin Custom
- Guangzhou Baiyun Airport Custom
- Shenzhen Futian Port
- Shenzhen Luohu Port
- Entry-Exit Inspection and Quarantine Bureau (Guangdong, Shenzhen, Zhuhai, Liaoqing)
- And so on



RAILWAY STATION & METRO CASES



SHENZHEN METRO GROUP

Shenzhen Metro Group has purchased more than 200 sets Infrared thermal system. Widely used for measuring the passengers' temperature in Metro Station.



CHONGQING BULLET TRAIN STATION



RAILWAY STATION & METRO CASES



MA'ANSHAN EAST STATION

Infrared temperature measurement system was installed at the entry of waiting hall of Ma'anshan east station. Measure the temperature within 1 second within a distance of 8 meter.



TENGZHOU BULLET TRAIN STATION

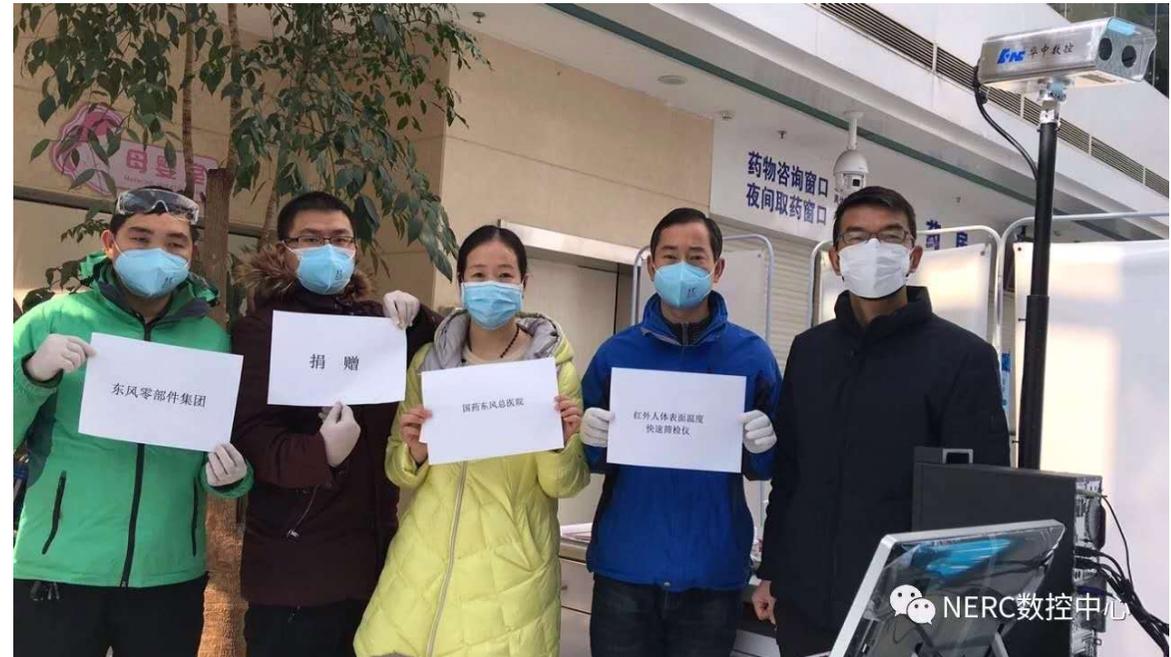


HOSPITALS CASES



DONGFENG GENERAL HOSPITAL OF SINOPHARM GROUP (SHIYAN CITY)

Infrared intelligent temperature measurement system was put into operation on 19th Feb,2020.
This system can recognize the people's temperature within a distance of 8 meter
and realize 24 hours' monitor



HOSPITALS CASES



WUHAN LEISHENSHAN HOSPITAL



WUHAN HUOSHENSHAN HOSPITAL



HCNC assists the construction of hospitals



HOSPITALS CASES



CHONGQING

FIRST PEOPLE'S HOSPITAL OF LIANGJIANG New AREA



Other Cases

Wuhan Xiaotangshan Hospital
Wuhan Huoshenshan Hospital
Wuhan Leishenshan Hospital
Huanggang Woman and Children's Hospital
Wuhan Hannan People's Hospital
Zhuzhou Central Hospital
Construction Bank of Wuhan
First Affiliated Hospital of Zhengzhou
University
Changchun Central Hospital
First People's Hospital of Liangjiang New Area
And so on



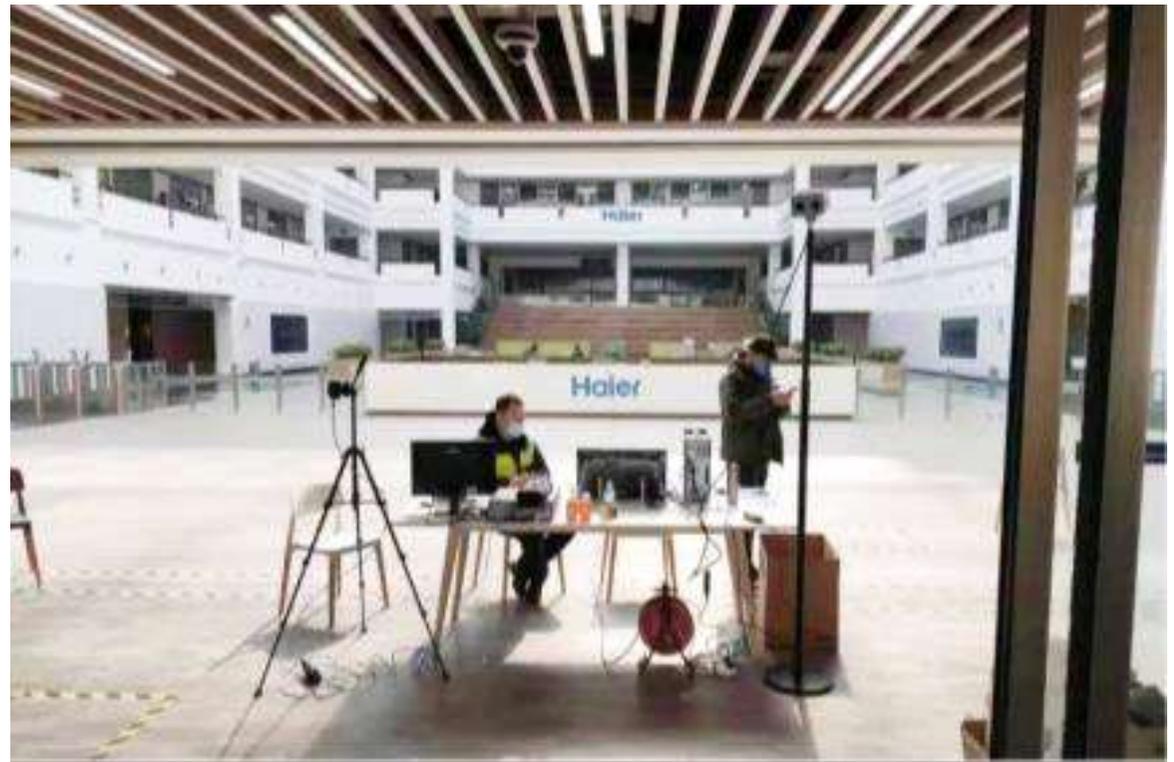
FACTORIES CASES



FOXCONN FACTORY



QINGDAO HAIER GROUP



FACTORIES CASES

HCNC HQ



The temperature can be measured while the people is still in the car.

System will alarm if the temperature is more than the setted value.

When system detects the non-human face target such as tyre, engine and other targets, the alarm will be eliminated automatically even though the temperature exceeds the setted scope.



OTHER CASES



SANYA INTERNATIONAL DUTY FREE SHOPPING CENTER



Sanya international duty free shopping center reopened on 20th Feb 2020
after the confirmed cases of COVID-19 didnot increase in a seven consecutive days
HCNC infrared temperature measurement instrument was installed at the entry of the shopping center
to help duty free center resume operation

OTHER CASES



SUPERMARKET



OTHER CASES

SCHOOLS



PRILIMINARY SCHOOL



MIDDLE SCHOOL

COLLEGE



OTHER CASES



COMMUNITY SERVICE CENTER



POLICE OFFICE





DURING PROJECT

- ◆ Pack/Ship
- ◆ Installation Support
- ◆ Commissioning
- ◆ Training
- ◆ Worldwide Service Center

AFTER SALES

- ◆ Spare Parts
- ◆ Scheduled Maintenance
- ◆ Emergency Maintenance
- ◆ Training
- ◆ 24-hour Service Hotline
- ◆ Worldwide Service Center
- ◆ Remote Technical Support



WHY HCNC



Technology Leader

HCNC is a leader in China's intelligent technology and infrared technology. It has strong R & D and production capabilities of infrared intelligent body temperature detection systems.

Sufficient capacity

The company is a GEM-listed company. It has established three production bases in Wuhan headquarters, Foshan, and Chongqing, with the ability to produce 2,000 sets per month.

Enough experience

HCNC is the only company with more than 20 years of practical experience in the field of human body temperature detection

Service network covers the whole country

Each branch has a strong ability to install and provide technical services. We're on call 24 hours.

