



Thermal Human Temperature Measurement Solution

High Accuracy | Non-Contact

Aviden System SDN BHD

For More Information:

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Content

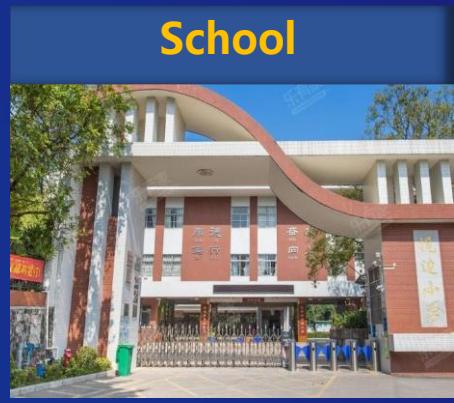
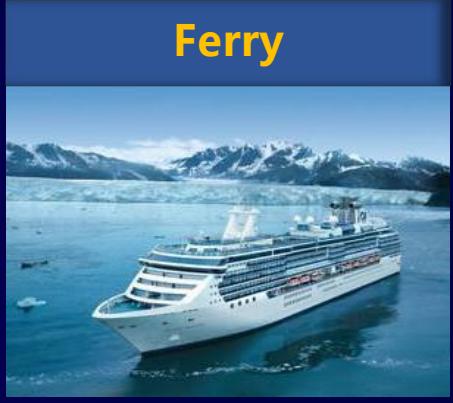
- 01** Background and Highlights
- 02** Economical Solution
- 03** Wide Area Solution
- 04** Success Case

Background

At the end of 2019, a new coronavirus outbreak broke out in Wuhan, China, which is characterized by human-to-human transmission, medical staff infection and community transmission. The disease has spread to China and around the world.



Application Scenarios



Human Temperature Measurement

Key Function ▶

Preliminary Screening

Temperature Record

Current Status ▶

- Low efficiency of thermometer and infrared detection gun
- Manual temperature measurement workload, high risk

Requirement ▶

- Non-contact automatic temperature measurement
- Accurate, fast and multi-person detection

- Manual recording is inefficient
- Personnel information collection is difficult

- Record abnormal temperature information automatically
- Collect abnormal personnel portrait automatically

Highlights



Accurate

- $\pm 0.3^{\circ}\text{C}$ (with blackbody)
- Applied to small scenes such as entrances and exits
- Large scenes such as airports and railway stations with dense personnel



Efficient

- Non - contact temperature detection, quick screening
- Wide coverage and multiple person detection
- Easy to use and deploy
- Real-time fever alarm



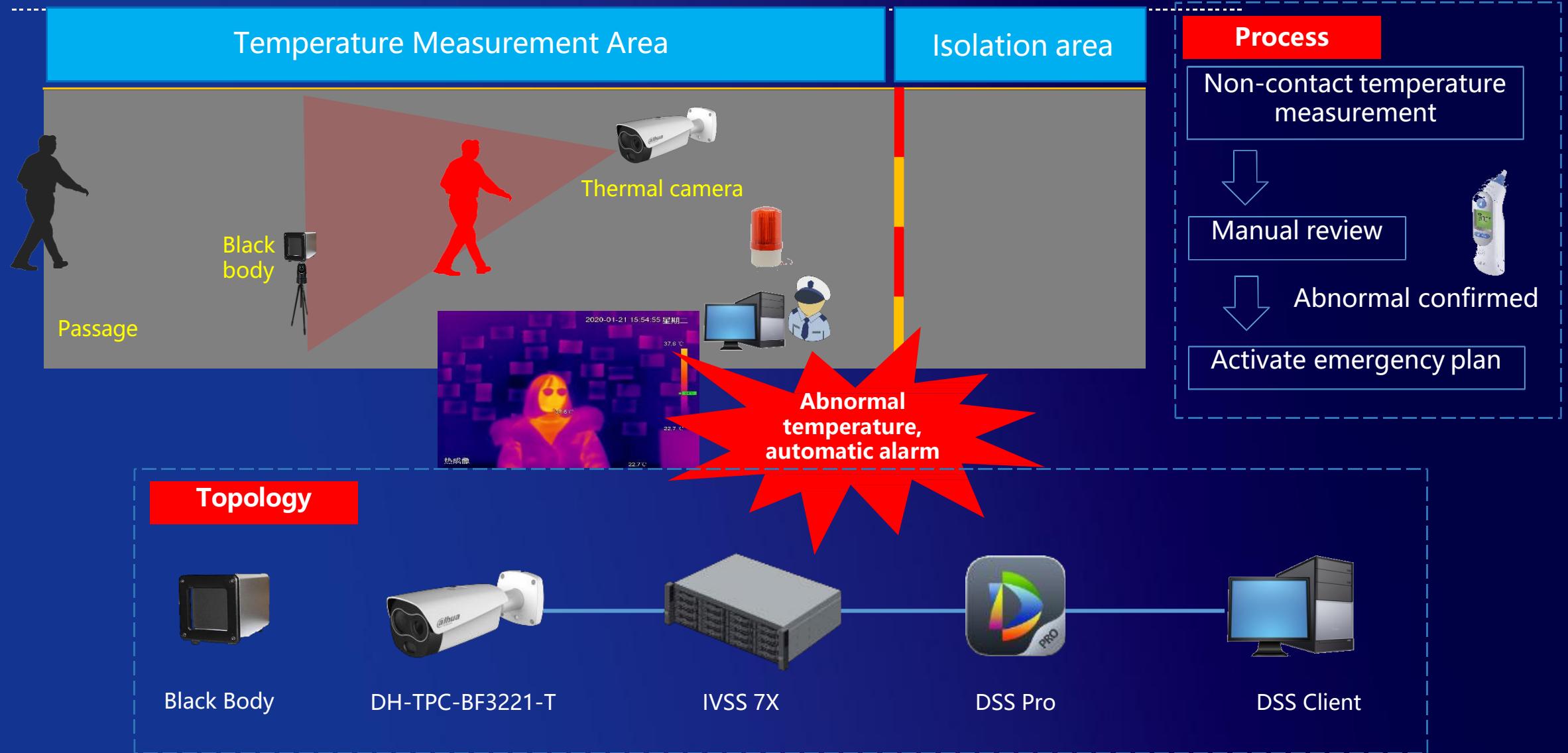
Manageable

- Automatic early warning mechanism, reduce labor cost and risk of cross-infection
- Realize the historical data backtracking, data analysis and so on

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Solution and Progress



Main Products



Thermal Network Value Hybrid Bullet Camera(Lite series)
DH-TPC-BF3221-T

Vox uncooled focal plane detector
Resolution: 256*192
Spectral Range: 8μm~14μm
Thermal lens: 3.5mm/7mm (optional)
NETD: <50 mK
Visible: 1/2.8 "CMOS, 1080P
Visible lens: 4mm/8mm(optional)
Alarm: Built-in white light warning light, horn
Temperature measurement range: 30°C ~ 45°C,
Temperature measurement accuracy :
±0.3°C, with blackbody
±1°C, without blackbody



Blackbody
JQ-D70Z

Working temperature : 40.0°C (environment temperature +5.0°C~ 50.0°C)
Temperature resolution : 0.1°C
Temperature measurement accuracy : ±0.2°C (Single point)
Temperature stability : ±(0.1 ~ 0.2)°C/30min
Effective emissivity : 0.97±0.02
Power: 220VAC 50Hz
Ambient temperature and humidity : 0~40°C/
≤80%RH

Product Selection



Thermal

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IVS Server

IVSS7008-1I

Max 400Mbps incoming bandwidth
Up to 8-channel face recognition with normal IPC
> Up to 20-channel face recognition with face detection IPC
> Up to 50 face databases with 300,000 face pictures in total

Platform

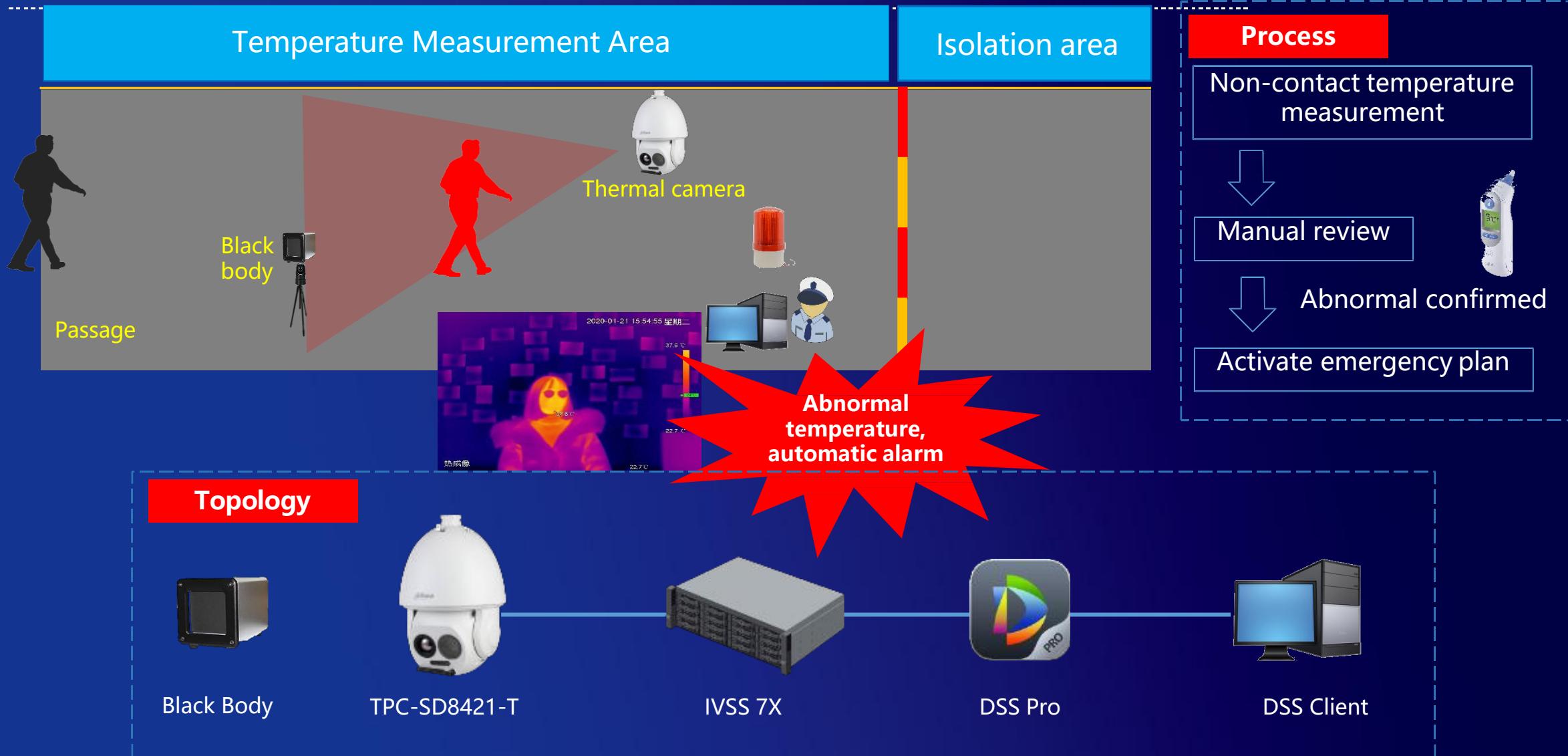
DSS Pro

Live video monitoring
AI Search: Searching by event, or face pictures
User friendly interfaces
Easy to use and deploy
Temperature alarm pop up automatically

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Solution



Products



Thermal Network Hybrid Speed Dome Camera
DH-TPC-SD8421-T

Vox uncooled focal plane detector
Resolution : 400*300
Spectral Range : 8~14 μm
Thermal lens : 7.5mm/13mm
NETD : <40 mK
Visible : 1/2.8 "CMOS, 1080P
Visible lens : 4.95~198mm, 40X
IR distance: 100m
Temperature measurement range : 30°C ~ 45°C,
Temperature measurement accuracy :
±0.3°C, with blackbody



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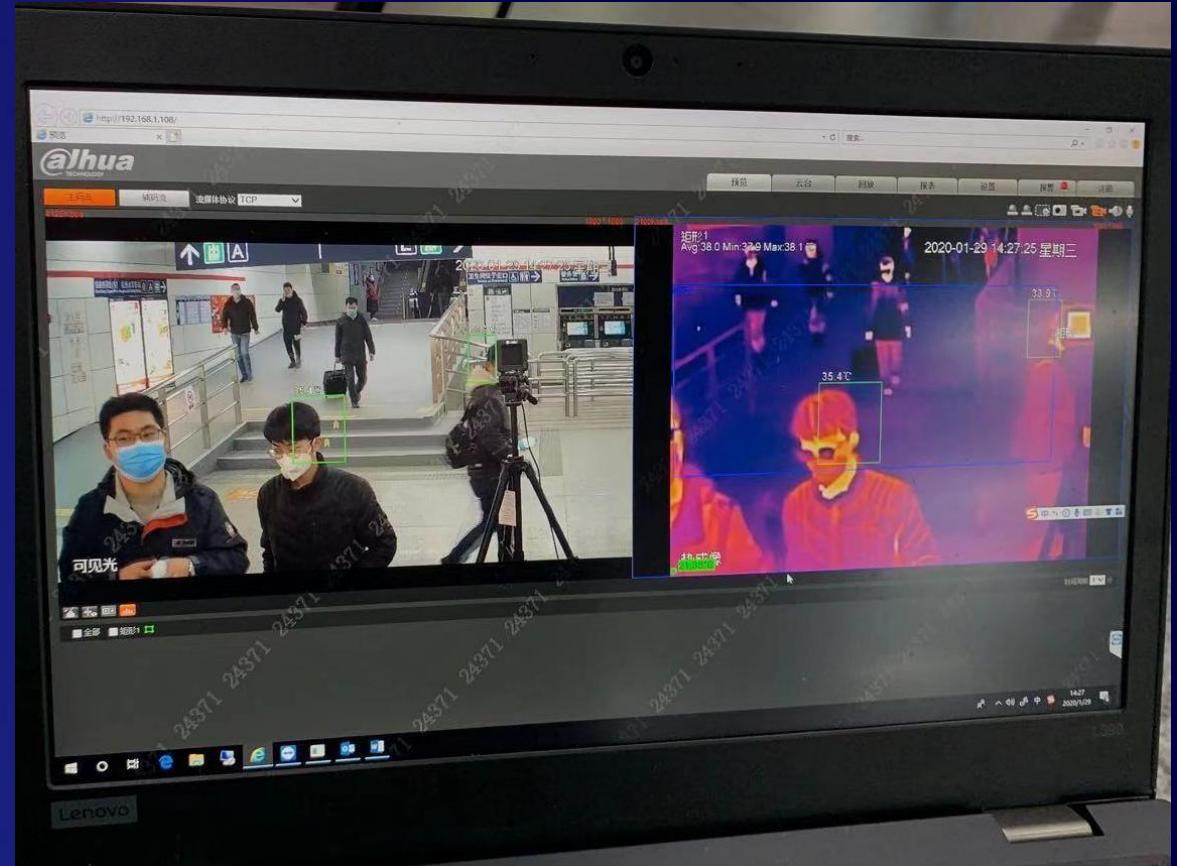
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Success Case | Hangzhou Metro

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TECHNOLOGY



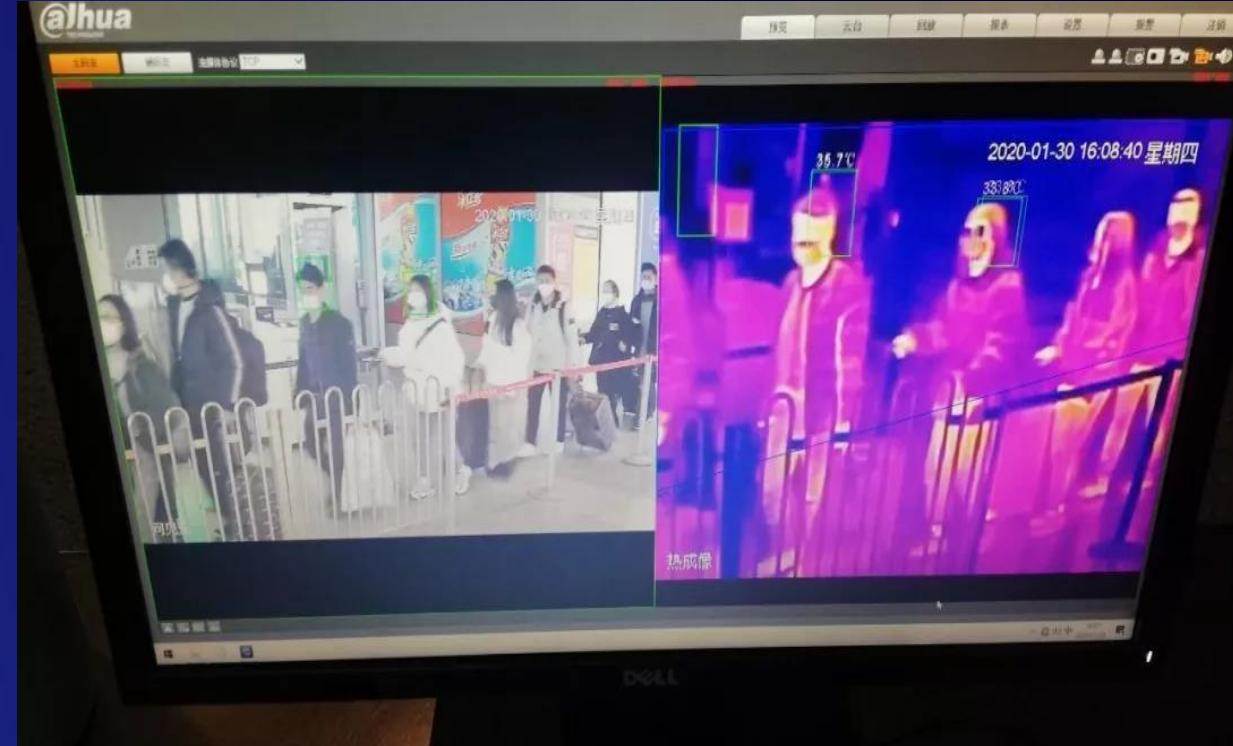
Hangzhou metro line 1 adopts Dahua thermal human temperature measurement solution at Hangzhou east railway station, one of the largest transportation hubs in Asia, realizing remote non-contact temperature measurement with high temperature measurement accuracy ($\pm 0.3^\circ$).

Success Case | Shanghai Railway Station

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TECHNOLOGY



Shanghai Railway Station



Dahua thermal human temperature measurement solution helps Shanghai railway station, one of the busiest railway station in the world, to realize rapid human body temperature measurement with dense crowds and find people with abnormal body temperature timely.

AVAIDEN SYSTEM

ENABLING A SAFER SOCIETY AND SMART LIVING

Avaiden System SDN BHD

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