Thermal Human Temperature Measurement Solution

High Accuracy | Non-Contact

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Product Manager

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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.

Virus Feature – Why we need this solution

Fast Infection by gathering together

Whether infected? Temperature will tell

Mask to avoid saliver transmission

Contactless

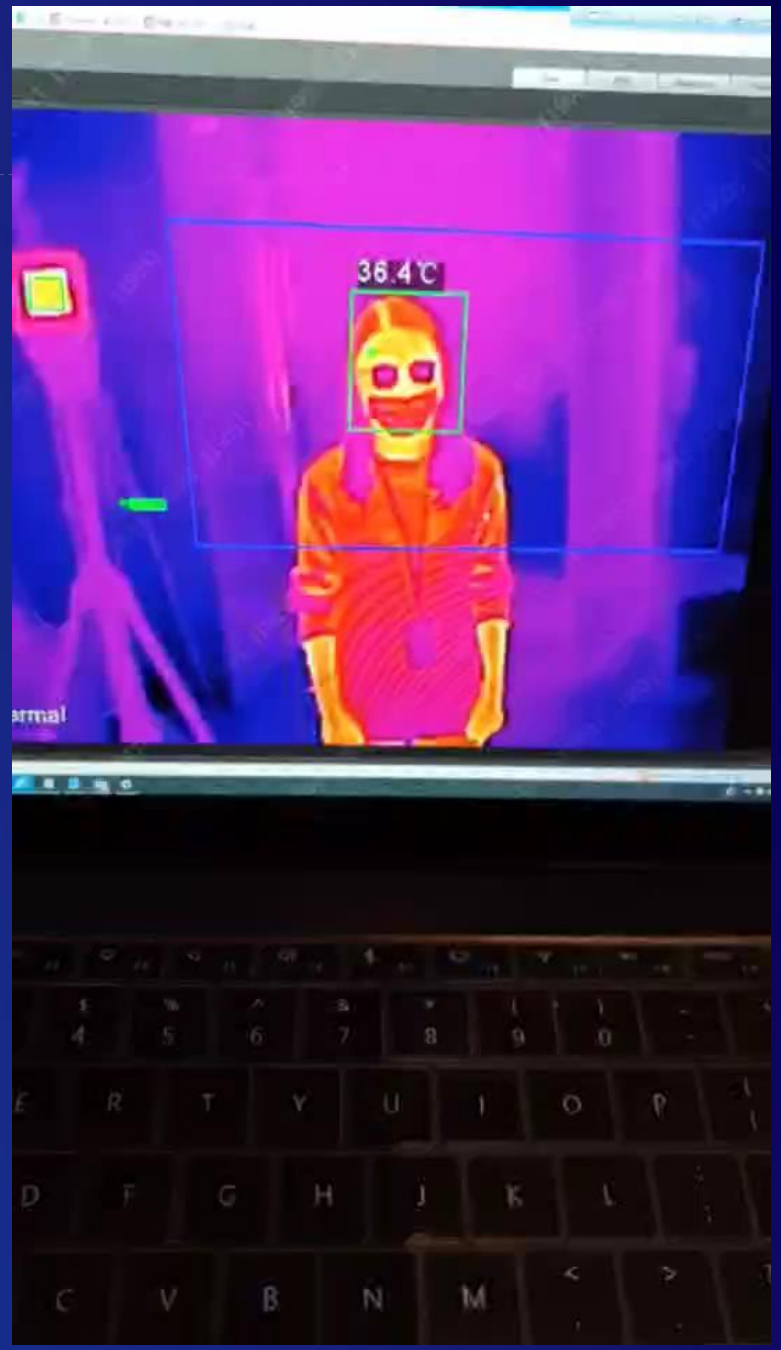
High Accuracy&Efficiency

AI Features in Management

Contactless

High Accuracy

High Efficiency



AI Feature/Manageble

Status Analysis

Human Temperature Measurement

	Preliminary Screening	Temperature Record
Key Function		
Current Status	• Low efficiency of thermometer and infrared detection gun • Manual temperature measurement workload, high risk	• Manual recording is inefficient • Personnel information collection is difficult
Requirement	• Non-contact automatic temperature measurement • Accurate, fast and multi-person detection	• Record abnormal temperature information automatically • Collect abnormal personnel portrait automatically

Application Scenarios

Airport

Railway Station

Bus Station

Ferry

Hospital

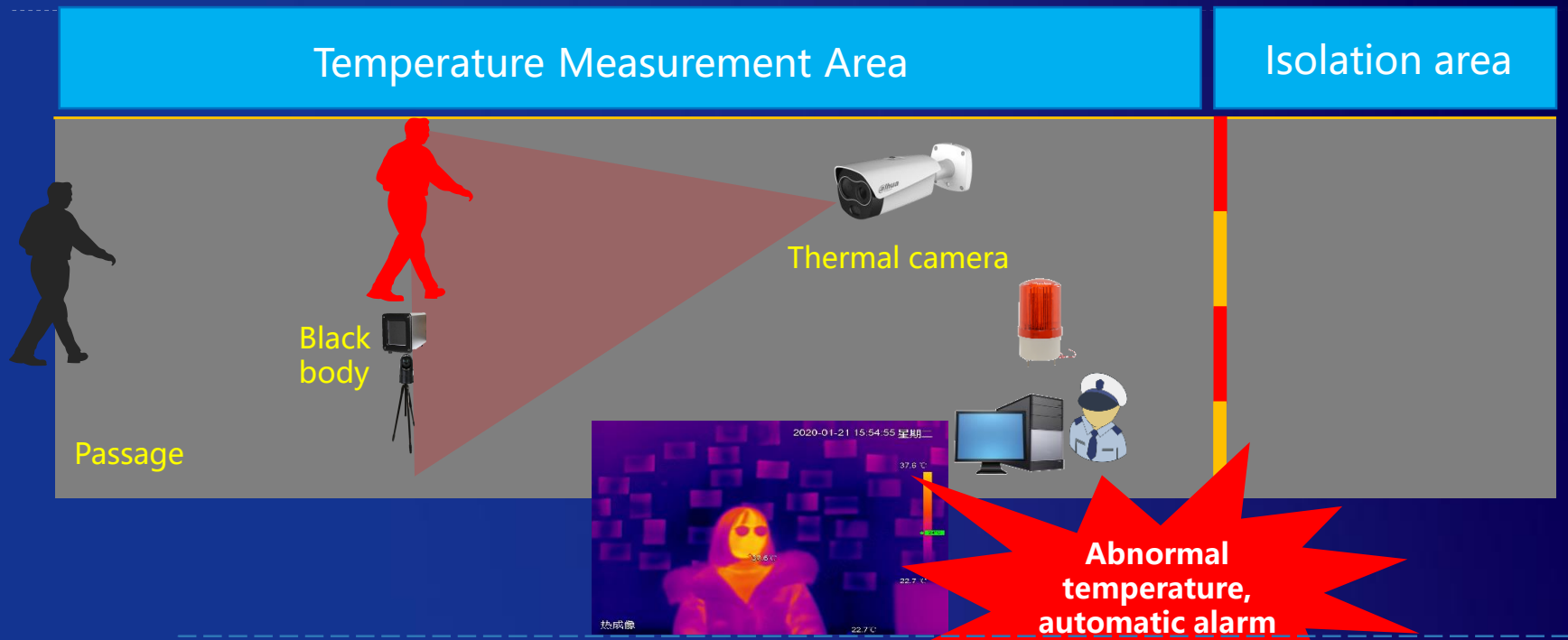
School

Manufacture

Embassy

Content

Solution and Progress(How does it work?)



Process

Non-contact temperature measurement

Manual review

Abnormal confirmed

Activate emergency plan

Topology


Black Body


DH-TPC-BF3221-T


IVSS 7X


DSS Pro


DSS Client

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℃~45℃,
Temperature measurement accuracy：
±0.3℃，with blackbody
±1℃，without blackbody

Blackbody
JQ-D70Z

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

Product Selection

Thermal

DH-TPC-BF3221-T

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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

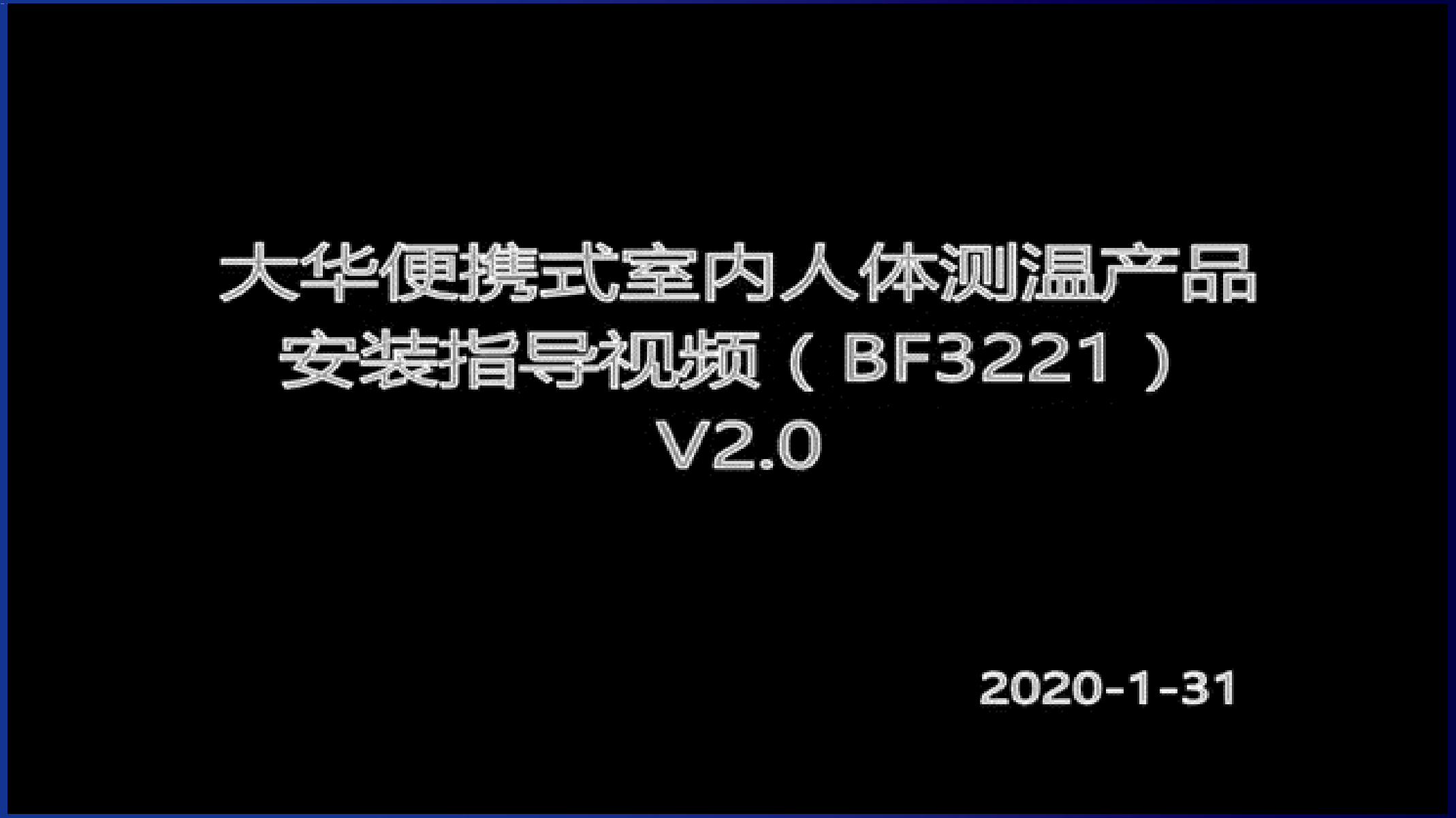
Platform

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

Content

Installation



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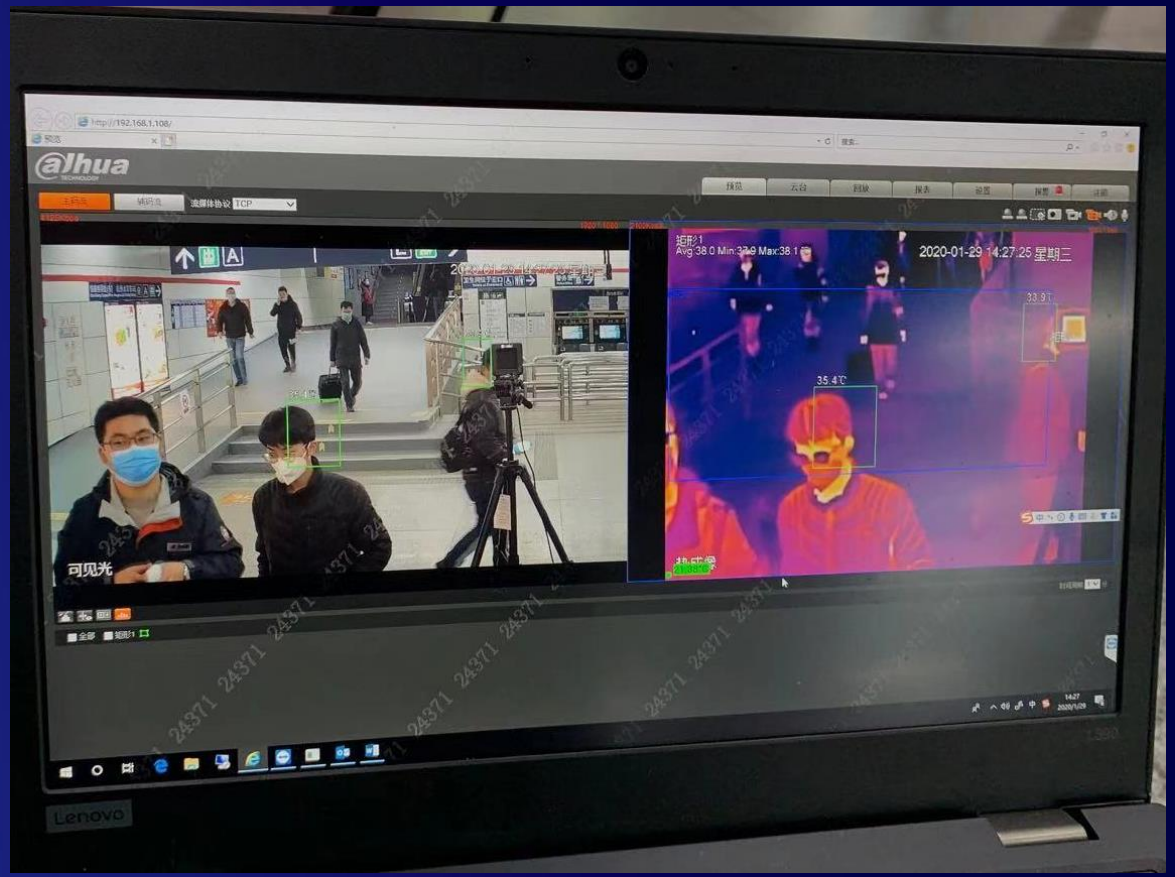
Success Case | China Embassy in Poland

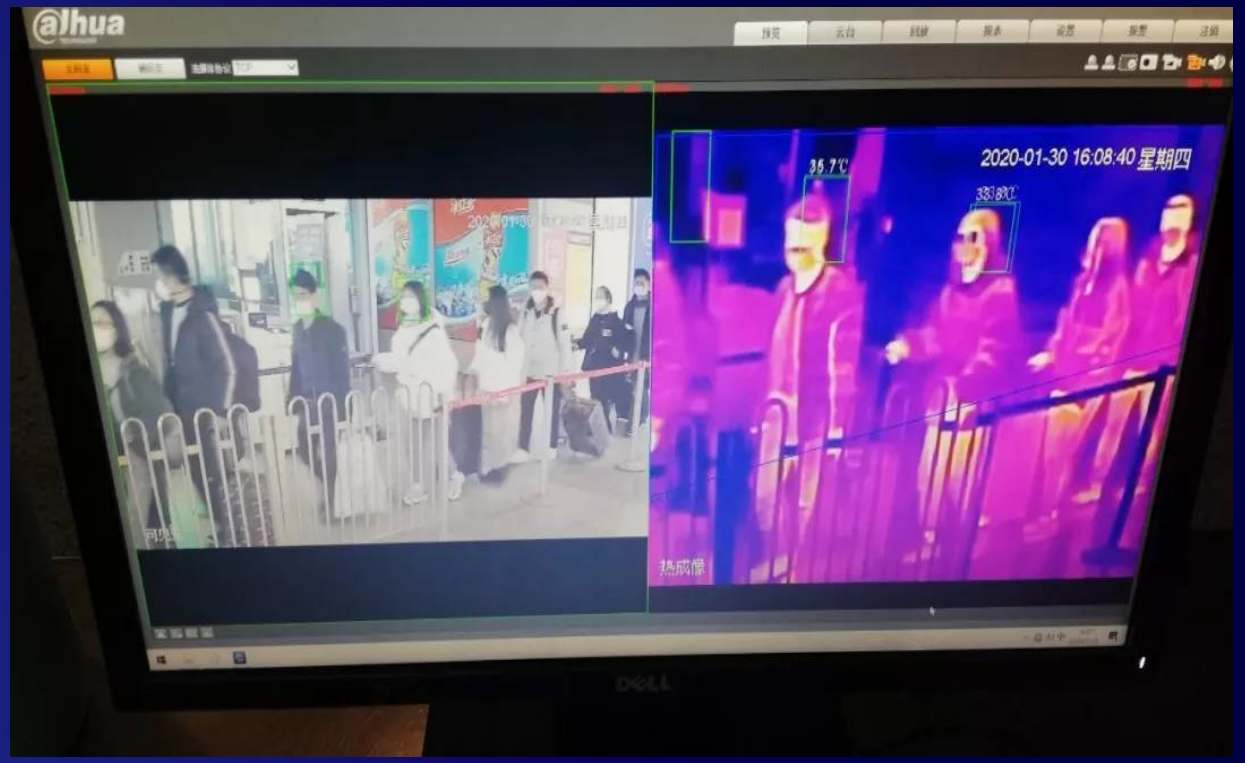
Success Case | Hangzhou Metro



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 (±0.3°).

Success Case | Shanghai Railway Station

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.

ENABLING A SAFER SOCIETY AND SMART LIVING