Thermal Body Temperature Measurement Solution

Scenarios

Epidemic Period

General Period

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

Values

High Accuracy

±0.3℃ (with blackbody)

High Efficiency

Non - contact temperature detection, quick screening
Long distance, wide coverage and multi – person detection

Low Cost

Automatic early warning mechanism, saving a lot of manpower and reduce the risk of cross-infection

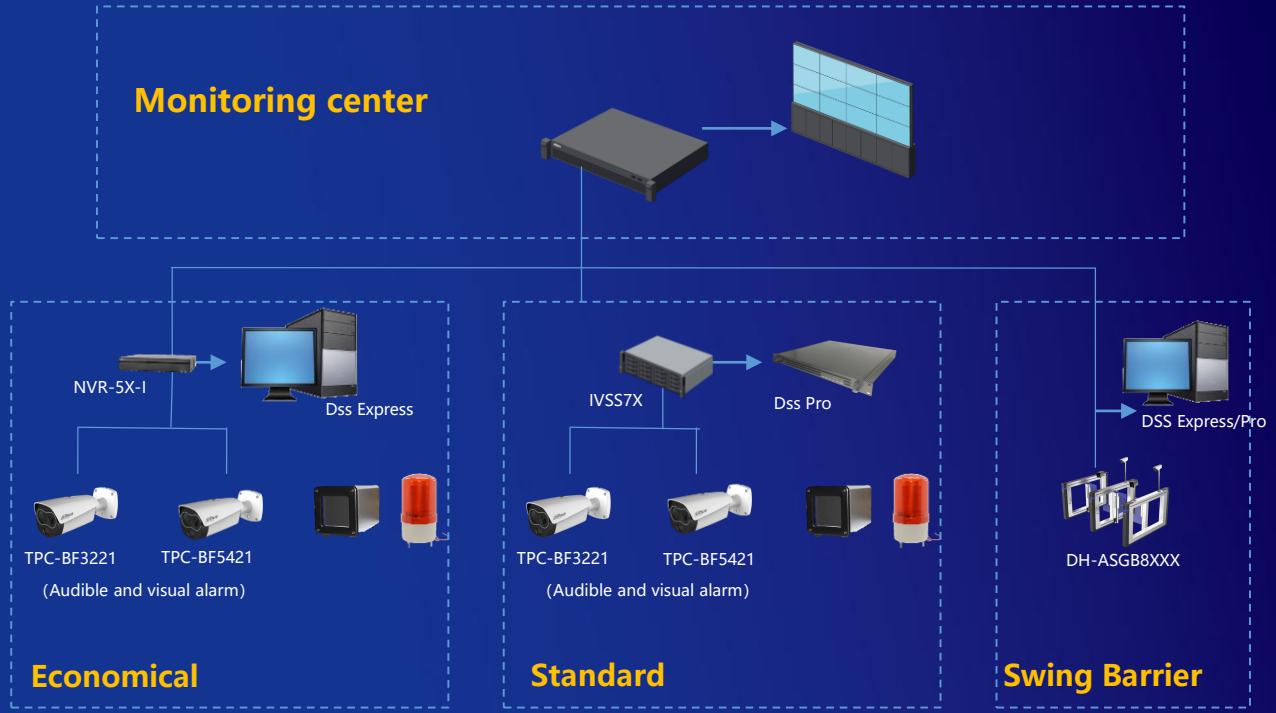
Strong Adaptability

Applied to small scenes such as entrances and exits
Large scenes such as airports and railway stations with dense personnel

Dating Back

Realize the historical data backtracking, data analysis and so on combined with the platform

Solution



Process

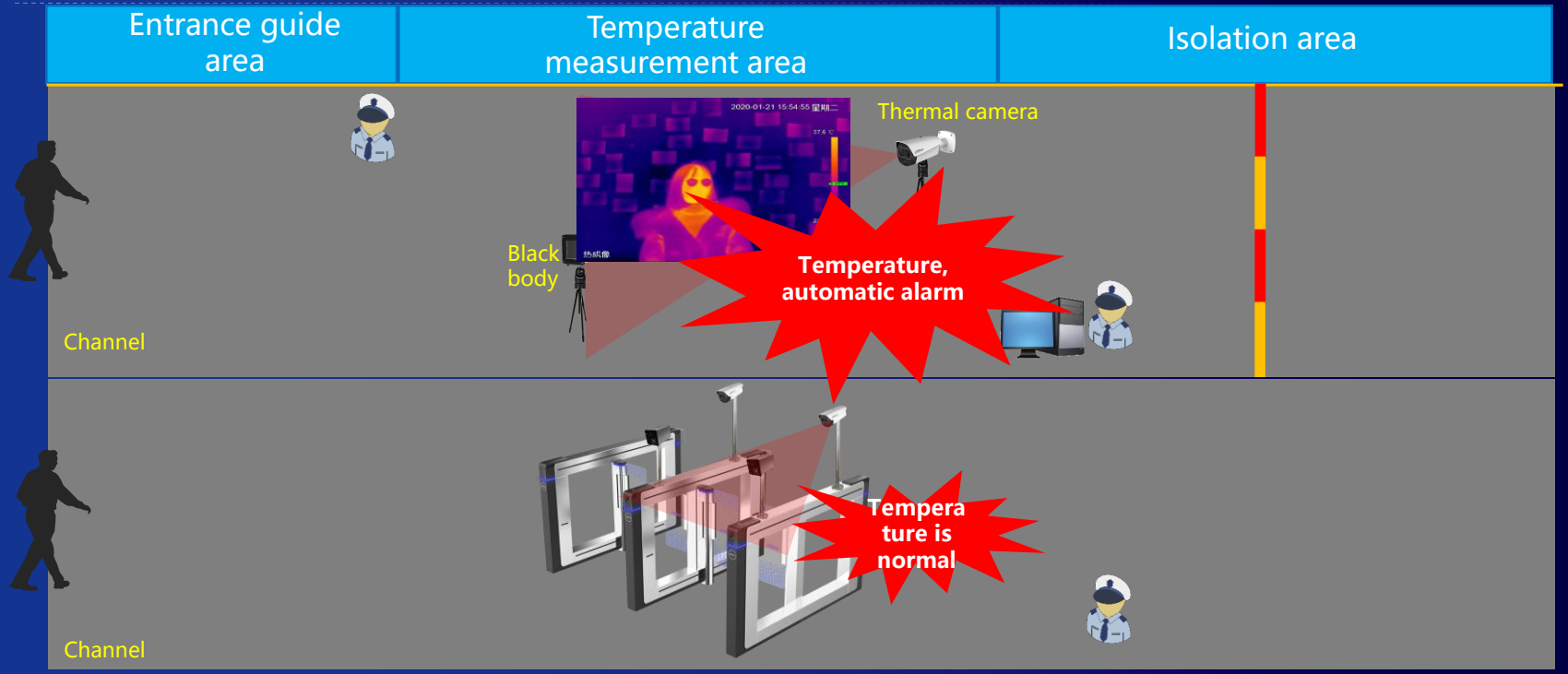
Non-contact temperature measurement

Manual review

Abnormal confirmation

Activate emergency plan

Solution


Entrance guide area
Temperature measurement area
Isolation area
Thermal camera
Black body
Temperature, automatic alarm
Channel
Tempera ture is normal
Channel

Configuration

Temp measurement part

Blackbody

TPC-BF3221

TPC-BF5421

Optional

Accessories part

Camera power

Tripod

Connector

Storage & analysis part

DHI-NVR5X-I

DHI-IVSS7X

Optional

Display part

22-inch 1080P Plastic
DHL22-F600-S

27/43/50/55-inch 4K Plastic
LM27/43/50/55-F410

49/55-inch 4K Metal
LM49/55-S400

Optional

Products

Thermal Network Value Hybrid Bullet Camera
DH-TPC-BF3221

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

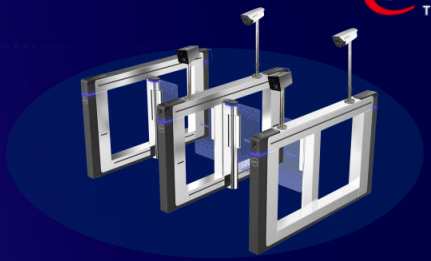
Thermal Network Hybrid Bullet Camera
DH-TPC-BF5421

Vox uncooled focal plane detector
Resolution：400*300
Spectral Range：8μm~14μm
Thermal lens：13mm
NETD：<40 mK
Visible：1/2.8 “CMOS，1080P
Visible lens：8mm
Alarm：Built-in white light warning light, horn
Temperature measurement range：30℃~45℃,
Temperature measurement accuracy：
±0.3℃，with blackbody

Products

Blackbody
DH-TPC-HBB1

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



Temperature measurement turnstiles
DH-ASGB8XXX

Human temperature measurement module ：
Temperature measurement range：30℃~45℃,
Temperature measurement accuracy：
±0.3℃，with blackbody
±1℃，without blackbody
Features: face detection, face temperature measurement, sound and light warning

Turnstiles module：
Pedestal material：304 stainless steel, thickness 2.0mm
Motor type：Servo motor
IR Light Detectors: 30 pairs
Lane width ： 600mm~1000mm
Barrier material: Acrylic glass
Features: face recognition, IC card, qr code, fingerprint and other optional
Power: AC 100-240V/50~60HZ