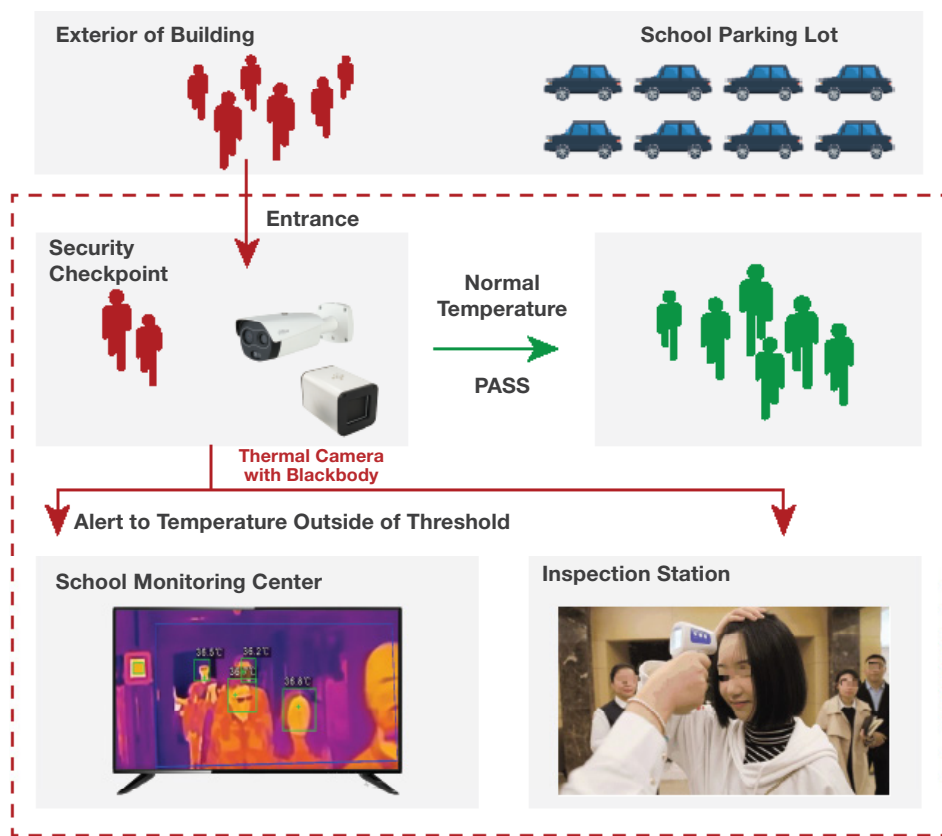# Thermal Temperature Monitoring for Education

Highlights:

Schools have a high population density, with a large amount of students and teachers. The temperature monitoring solution can provide a time-efficient way to assess potential high temperatures of large groups of people without personal contact.
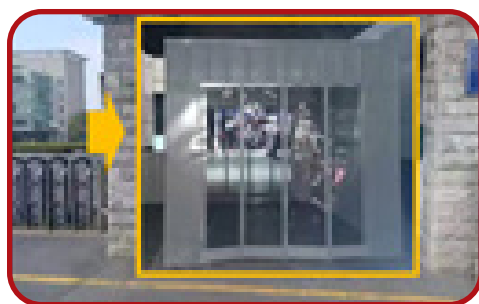
Monitoring Process:

Exterior of Building

School Parking Lot

Entrance

Security Checkpoint

Normal Temperature

PASS

Thermal Camera with Blackbody

Alert to Temperature Outside of Threshold

School Monitoring Center

Inspection Station

Pain Points:

- Monitoring the temperature of everyone individually is time consuming

Key Benefits:

- Set a threshold for temperature assessments and receive alerts automatically
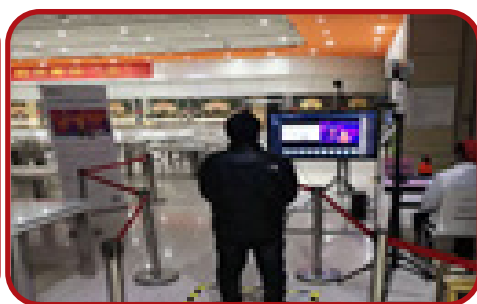- Monitor up to 30 people simultaneously

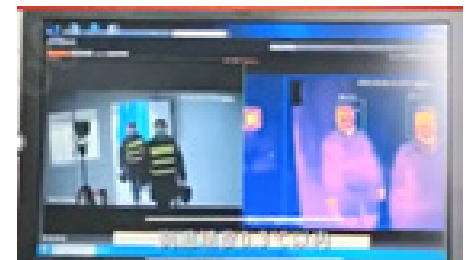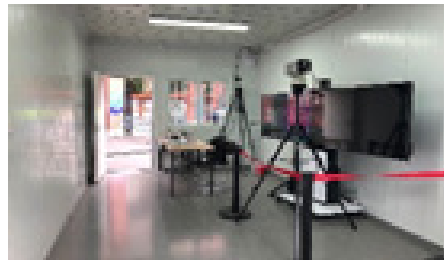## Scenario:

School Entrance

Dorm Entrance

Dining Hall

Solution Design

Temperature Monitoring Area

NVR or IVSS*

Thermal Camera & Blackbody
Audible & visual alarm

+

PASS

STOP

Alert

Above
Temperature
Threshold

Success Cases: Fudan University, China

Success Cases: Thailand International Harrow School

Thermal Products

DH-TPC-BF5421-T
Hybrid thermal camera

JQ-D70Z
Blackbody Temperature Calibration Device

DHI-NVR5216-16P-I 4TB
16-Channel 1 U 16 PoE NVR

Accessories

Camera PSU
DH-PFM320D-USDC12V 2A
DH-PFM321D-USDC12V 1A

RQW026-00
Connector (x2)

DHL43-F600
Monitor (x1)

VCT-999
Tripod (x2)

The Dahua Thermal Temperature Monitoring Solution is not FDA-cleared or approved. The Solution should not be solely or primarily used to diagnose or exclude a diagnosis of COVID-19 or any other disease. Elevated body temperature should be confirmed with secondary evaluation methods (e.g., an NCIT or clinical grade contact thermometer). Users, through their experience with the Solution in the particular environment of use, should determine the significance of any fever or elevated temperature based on the skin telethermographic temperature measurement. Visible thermal patterns are only intended for locating the points from which to extract the thermal measurement.

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