

# ICCTVZONE

## SMB Safety Protection Solution

A safe solution for the new normal



People Flow Control



Temperature Monitoring



Social Distancing Reminder

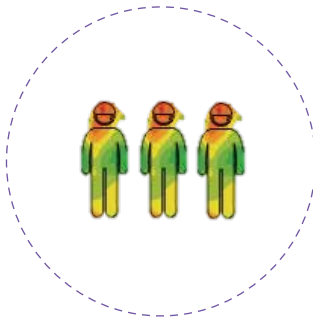
## Solution Background

In order to support the smooth resumption of businesses, work and school classes, Dahua launched its SMB Safety Protection Solution.

## Solution Overview

- SMB Safety Protection Solution

The SMB Safety Protection Solution can be divided into multiple solutions to meet different requirements.



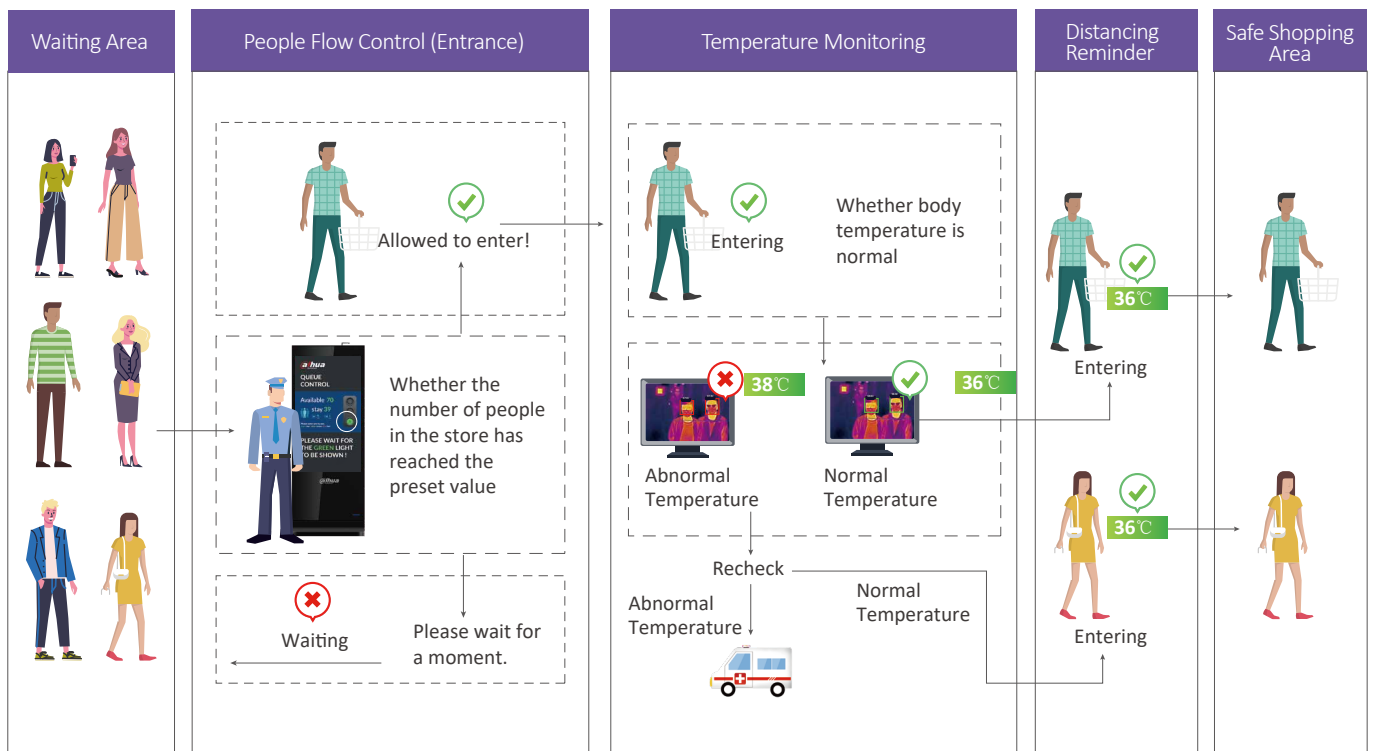
Temperature Monitoring Solution



People Flow Control Solution



Social Distancing Reminder Solution



• **Solution Highlights**



**Temperature Monitoring Solution**

Only normal skin temperature individuals can enter the facility.

- Monitor body temperature.



**People Flow Control Solution**

Once the number of people in the facility reaches the preset value, immediately notify the staff.

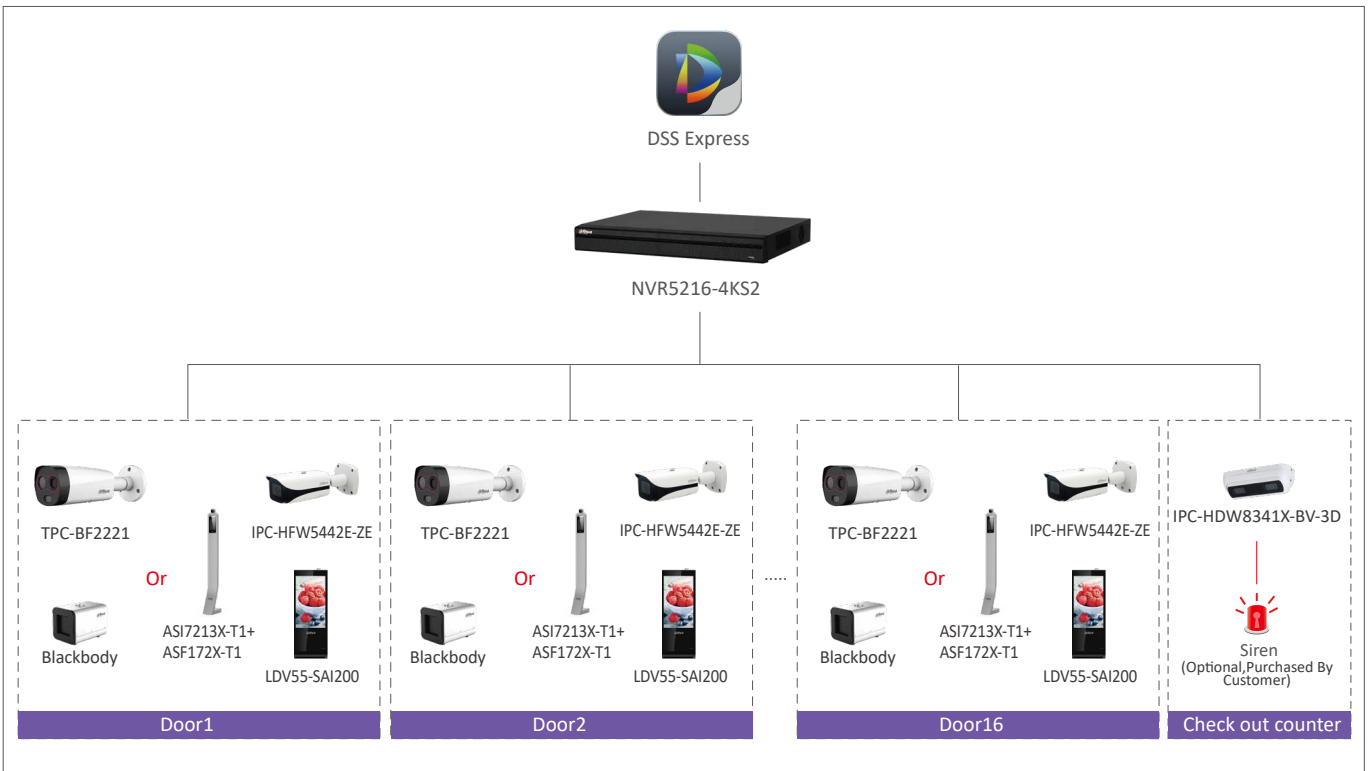
- Limit the number of people inside the facility.



**Social Distancing Reminder Solution**

Remind people to keep distance.

- Avoid close and physical contact.

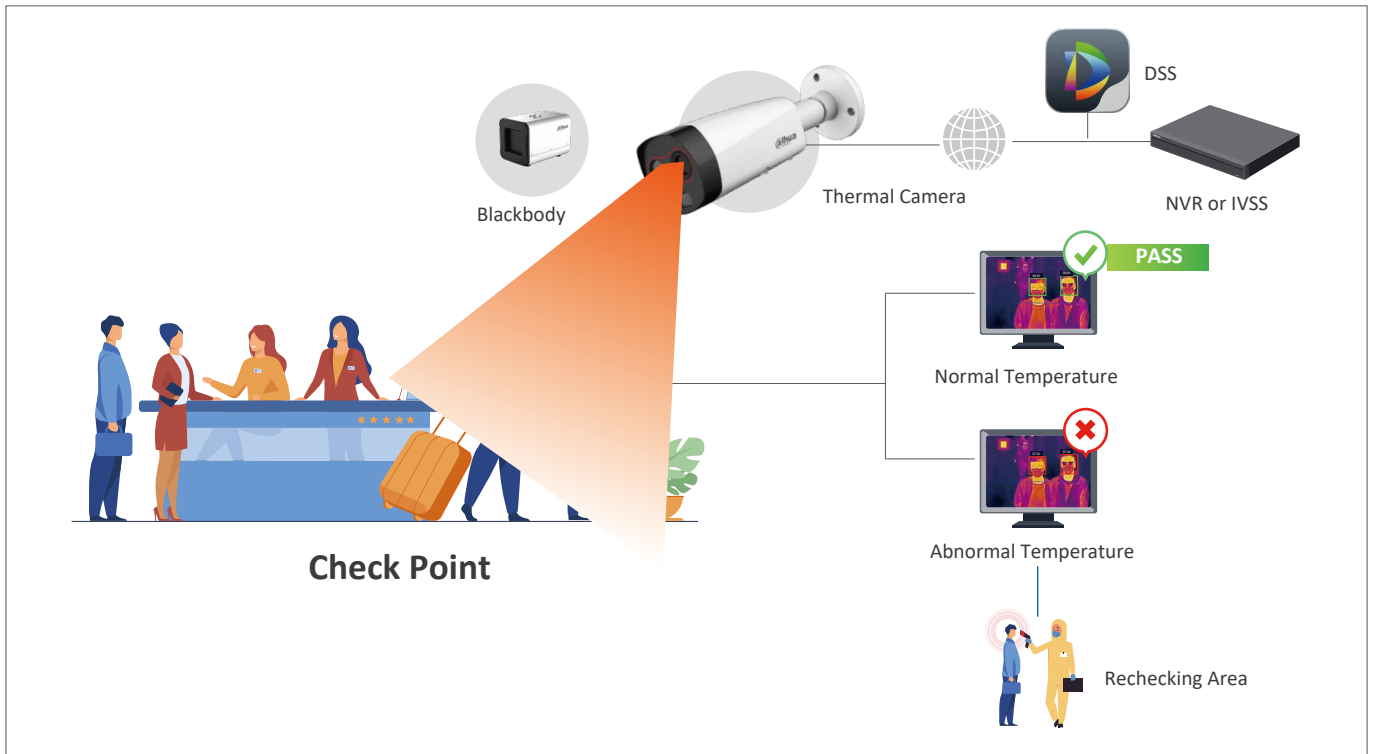


• **Application Scenarios**



## Temperature Monitoring Solution - Thermal

This solution ensures that the temperature of the people entering the area is normal. It detects body temperature in real-time. When the temperature reaches the threshold, an alert notification will pop on the screen and the sound alarm will be triggered at the same time. This solution also supports several kinds of display devices.



### • Solution Highlights

- Provides safe, efficient and accurate temperature monitoring
- Offers non-contact monitoring with up to 3 meters in distance, allowing quick passage
- Supports multi-person detection of up to 30 targets at the same time
- Supports visual abnormal alert to facilitate back-tracking
- Features non-mask detection for intelligent control with face mask detection rate of >95%



• Application Scenarios



Bank Entrance



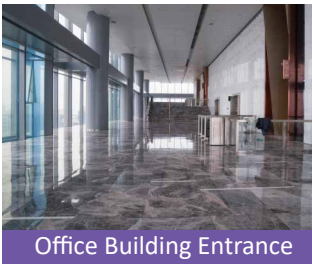
Hospital Entrance



Shopping Mall Entrance



Supermarket Entrance



Office Building Entrance



Metro Station Entrance

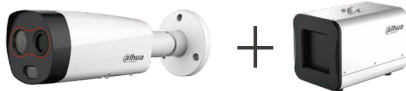


Factory Entrance



School Entrance

• Product Selection



**DH-TPC-BF2221 with Blackbody**

- Built-in white light and speaker alarm
- Temperature monitoring accuracy:  $\pm 0.3^{\circ}\text{C}$ , with blackbody



**DHI-NVR5216-16P-I**

- Supports real-time display
- Supports data statistics and report export
- Supports alarm pop-up
- Supports data history backtracking
- Supports no face mask reminder
- Supports video storage



**DSS Express**

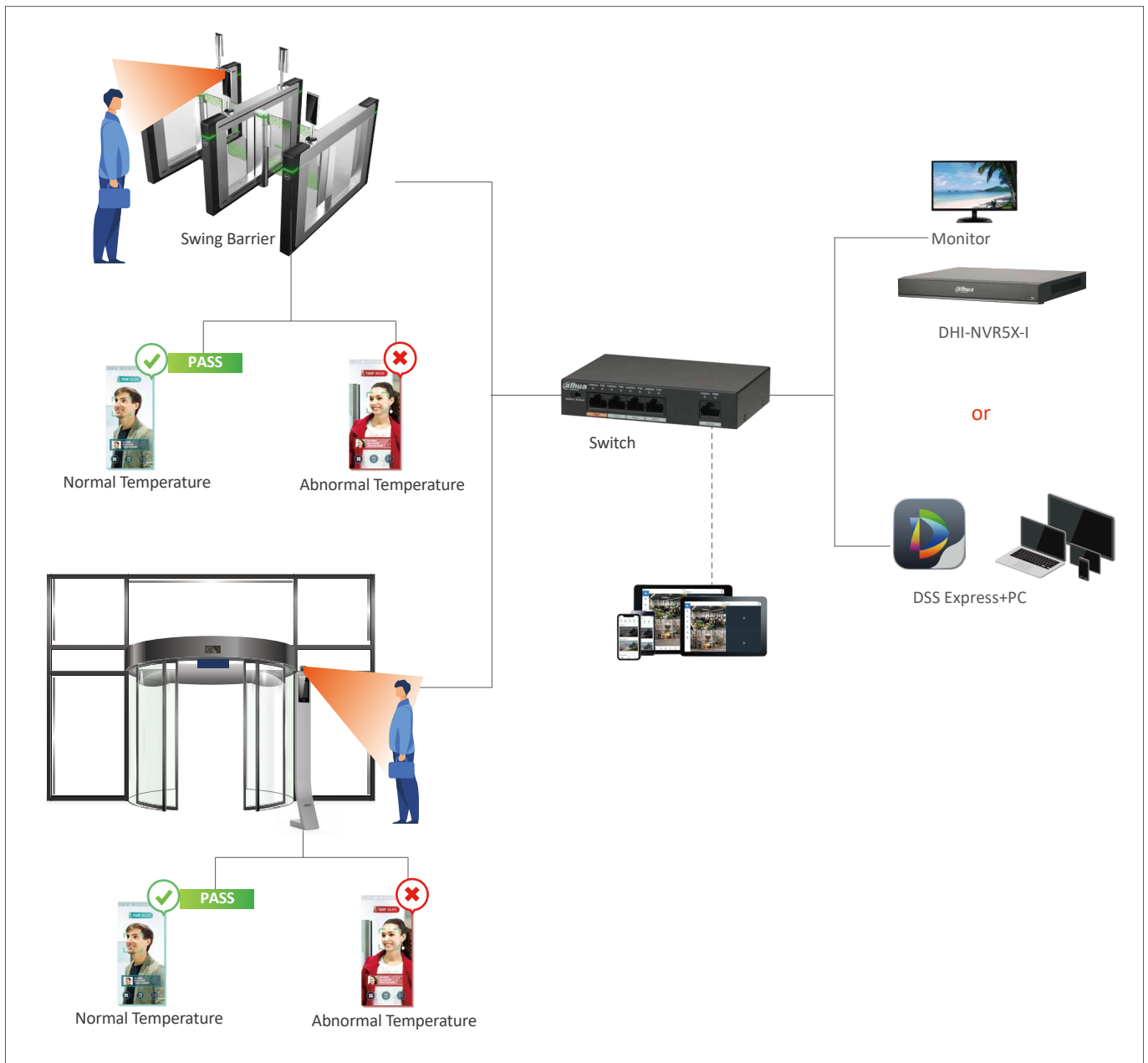
- Supports real-time display
- Supports data statistics and report export
- Supports alarm pop-up
- Supports data history backtracking
- Fast delivery



**LDV55-SAI200**

- Features a big screen that improves efficiency
- Supports split screen display
- Provides message prompt to enhance public safety awareness

## Temperature Monitoring Solution - Access Control

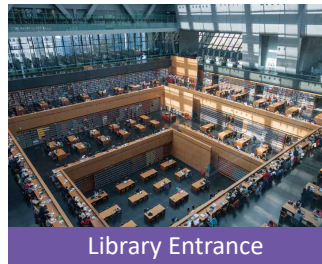
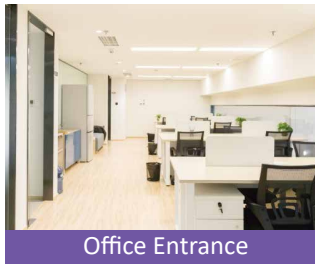


### • Solution Highlights

- Face recognition is integrated with body temperature monitoring, no additional staff required
- Non-contact access
- Large storage of face images and temperature information for easy back-tracking
- Fast access to prevent congestion



• Application Scenarios



• Product Selection



**DHI-ASI7213X-T1**

- Temperature monitoring accuracy:  $\pm 0.5^{\circ}\text{C}$
- Sound Prompt: Abnormal temperature alarm
- Supports mask detection
- Wall mounted, supports linkage with locks



**DHI-ASI7213X-T1+ASF172X-T1**

- Temperature monitoring accuracy:  $\pm 0.5^{\circ}\text{C}$
- Sound Prompt: Abnormal temperature alarm
- Supports mask detection
- Vertical mounted, supports linkage with locks



**DHI-ASI7223X-A-T1**

- Temperature monitoring accuracy:  $\pm 0.5^{\circ}\text{C}$
- Sound Prompt: Abnormal temperature alarm
- Supports mask detection
- Supports linkage with swing barrier



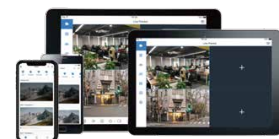
**DHI-NVR5216-16P-I**

- Supports real-time display
- Supports data statistics and report export
- Supports alarm pop-up
- Rich alarm linkage for events
- Supports video storage



**DSS Express**

- Supports real-time display
- Supports data statistics and report export
- Supports alarm pop-up
- Rich alarm linkage for events
- Fast delivery



- Supports real-time display
- Supports alarm push notification for abnormal temperature



## People Flow Control Solution

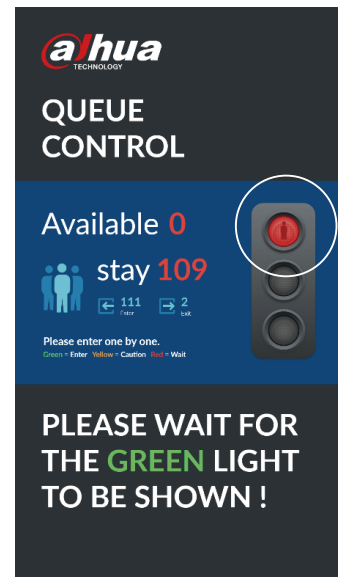
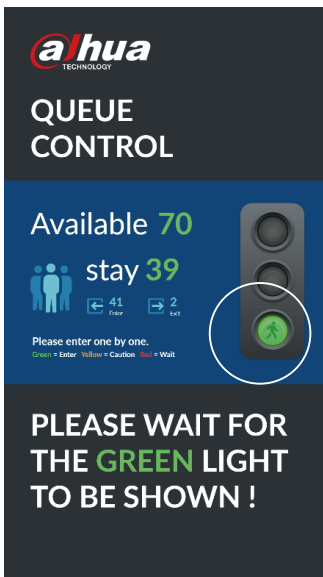
This solution counts the number of customers inside in real-time. When the number of people exceeds the threshold set by the user, it will remind people to wait outside.



When the number of people inside the store is within the threshold set by the user, incoming customers are allowed to enter.

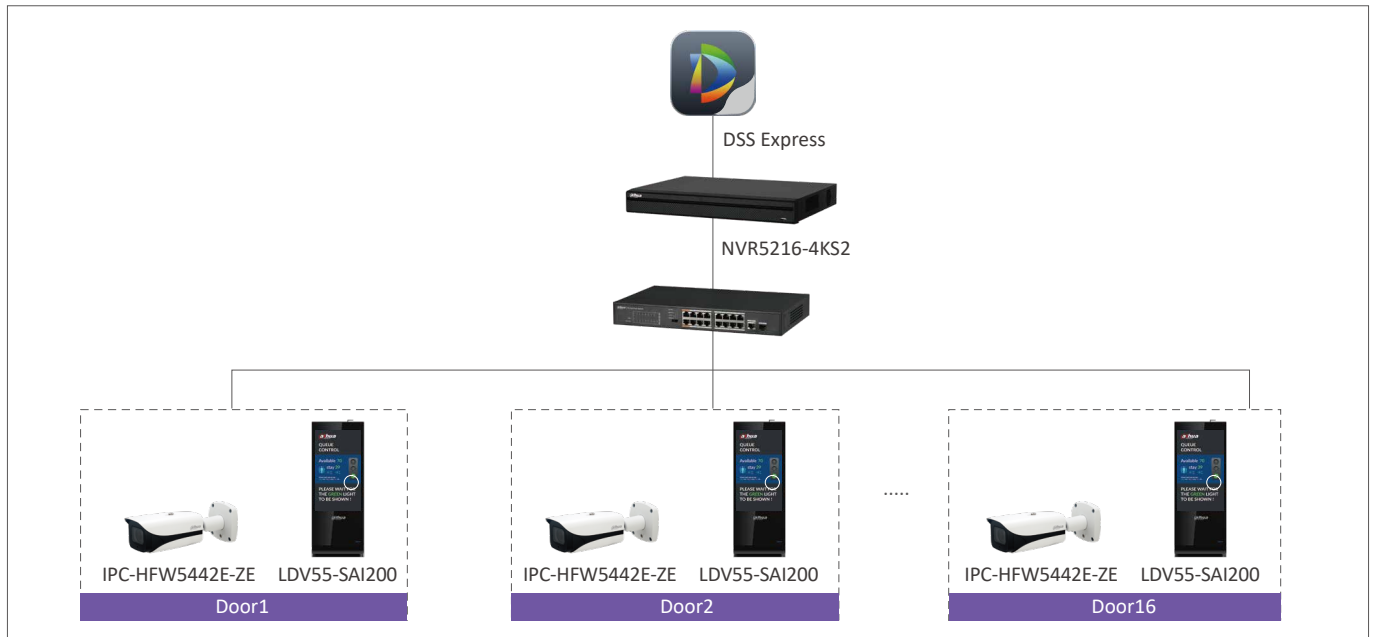
Remind people to pay attention when the number of people inside the store is about to reach the threshold set by the user.

When the number of people inside the store exceeds the threshold set by the user, incoming customers are not allowed to enter.





• **Solution Topology**



• **Solution Highlights**

• **High Efficiency**

Employees don't need to stand at the door all the time. They only need to assist incoming customers when the number of people inside the shop is reaching the threshold.

• **High Accuracy**

The number of people inside the shop are monitored and displayed on the screen, eliminating the need for manual counting which is often inaccurate especially if there are multiple entrances.

• **Product Selection**



**DH-IPC-HFW5442E-ZE**

- Supports people counting
- Accurate counting



**DHI-NVR5216-4KS2**

- Stores video and data
- Supports real-time display
- Accurate alarm



**LDV55-SAI200**

- Supports real-time display
- Supports display of different columns together



**DSS Express**

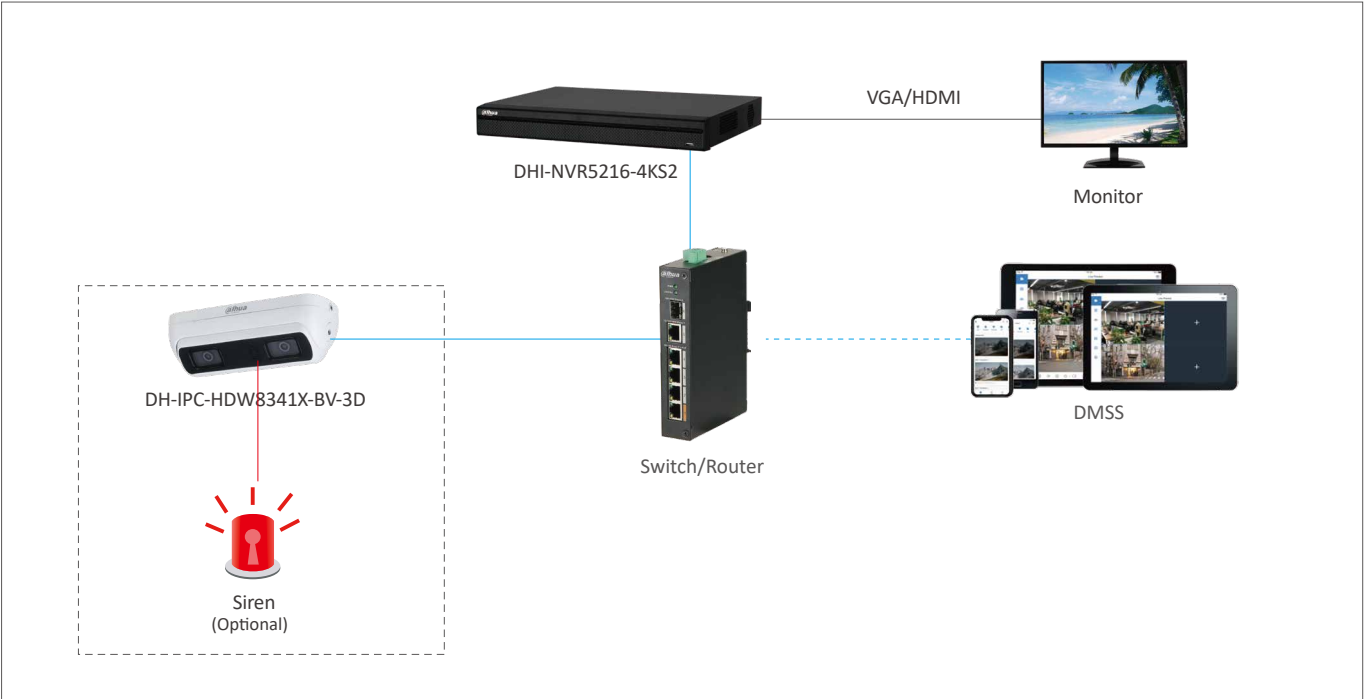
- Accurate alarm
- Supports real-time display
- Fast delivery

## Social Distancing Reminder Solution

Avoid close and physical contact. When the physical distance between two people are less than the preset value, the system will remind the staff to act accordingly.



- Solution Topology



## • Solution Highlights

- Accurate Alarms:

The customers and shop assistants will be reminded by an external alarm device or built-in mic in IPC or NVR when the physical distance between two people is below the limit. This will prompt the people in line to adjust and maintain distance from each other until the alarm turns off.

- Safe Operation:

This intelligent solution can help remind and maintain social distancing between people.

- Easy Deployment:

This solution is simple and easy to deploy, saving installation time and efforts.

## • Product Selection



**DH-IPC-HDW8341X-BV-3D**

- Supports abnormal physical distance alarm
- Supports customized voice alarm



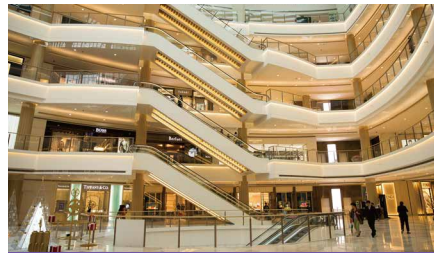
**DHI-NVR5216-4KS2**

- Stores video and data
- Supports alarm pop-up

## • Application Scenarios



Supermarket



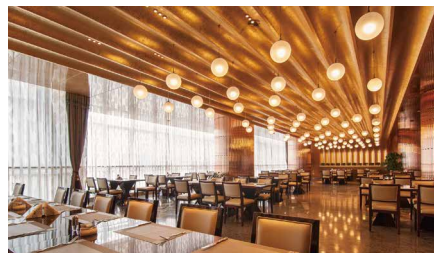
Shopping Mall



Casino



Food & Grocery Store



Restaurant



Pharmacy

## Product Selection



### TPC-BF2221

- Resolution: 256\*192
- Thermal lens: 7mm
- Visible: 1/2.8" CMOS, 1080P
- Visible lens: 6mm
- Temperature monitoring range: 30°C ~ 45°C



### IPC-HFW5442E-ZE

- 1/1.8" 4 Megapixel progressive scan CMOS
- H.265 & H.264 triple-stream encoding
- 25/30 fps@2688 × 1520, 50/60 fps@1080P (1920×1080)
- 2.7 mm–12.0 mm motorized lens
- 2/1 Alarm in/out, 1/1 audio in/out
- Max. IR LEDs Length 50 m
- Micro SD memory, IP67, IK10



### DH-IPC-HDW8341X-BV-3D

- 3MP, 1/2.8" CMOS image sensor, low illuminance, high image definition
- Outputs max. 3MP (2048×1536) @30 fps
- ROI, SMART H.264+/H.265+
- Alarm: 2 in, 2 out; audio: 2 in, 1 out; 485; BNC; supports max. 256 G
- Micro SD card, built-in mic and speaker, 12V DC/PoE power supply
- IP67, IK10 protection



### DHI-ASI7213X-T1

- 7-inch touch screen
- Ambient temperature range: 16°C ~ 32°C
- Temperature accuracy: ≤0.5°C
- Temperature monitoring distance: 0.3m ~ 1.8m
- Sound Prompt: Abnormal temperature alarm
- Unlock Mode: Face/Card/Password



### DHI-ASI7213X-T1+ASF172X-T1

- 7-inch touch screen
- Ambient temperature range: 16°C ~ 32°C
- Temperature accuracy: ≤0.5°C
- Temperature monitoring distance: 0.3m ~ 1.8m
- Sound Prompt: Abnormal temperature alarm
- Unlock Mode: Face/Card/Password



### DHI-ASI7223X-A-T1

- 7-inch touch screen
- Ambient temperature range: 16°C ~ 32°C
- Temperature accuracy: ≤0.5°C
- Temperature monitoring distance: 0.3m ~ 1.8m
- Sound Prompt: Abnormal temperature alarm
- Unlock Mode: Face/Password



### DHI-NVR5216-4KS2

- Smart H.265+/H.265/Smart H.264+/H.264/MJPEG
- Max 320Mbps Incoming Bandwidth
- Up to 12MP Resolution for Preview and Playback
- HDMI/VGA simultaneous video output



### LDV55-SAI200

- Brightness: 400cd/m<sup>2</sup>
- Viewing angle: 178°/178°
- Built-in Wi-Fi module, speakers
- 24/7 operation
- Built-in media player software and USB player provide multiple methods to play contents
- Decoding capacity: 1CH@4K or 3CH@1080P
- Metal frame, protective glass



### DSS Express

- Unified device management
- Real-time temperature display
- Rich alarm linkage for events
- Multiple clients login
- Fast delivery

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