



# Business Reopening Solution

AI builds safer work environment



Temperature Monitoring



Touchless Passage



Flow Control



Crowd Analysis



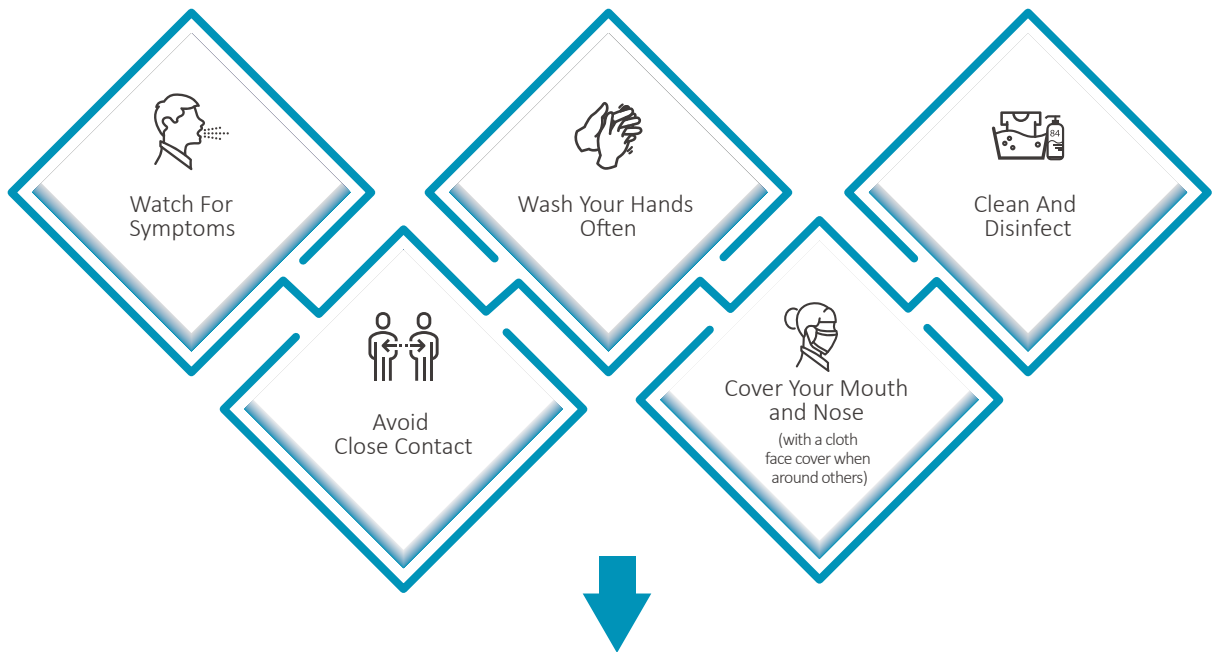
Mask Detection

## Background

As various countries started to lift their lockdown policies, restoring the economy and returning back to normal life has become a major priority. Currently, the outbreak is not over yet, and might continue until next year.

How to protect employees and individuals during this “back to the new normal” period has indeed become a primary challenge.

Based on the policy requirements of WHO, European and American CDC and various countries, and outputs of corresponding solution measure, we have launched a comprehensive standard solution. It presents an integrated system and covers five major technologies.



## Dahua Solution



Temperature Monitoring



Touchless Access Control



Flow Control  
Crowd Analysis And  
People Counting



Mask Detection

# Solution Overview

This solution does not only cover multiple industry scenarios, but also includes every aspect of life, such as working in office buildings or industrial parks, studying in schools and libraries, praying in churches, living in an apartment, playing in an outdoor area, etc. It aims to provide a better protection and assist in the resumption of normal life during this challenging time.



Live



Work



Learn



Pray



Play

## Building Entrance



Mask Detection

## Main Entrance



License Plate Recognition



Temperature Monitoring

## Square

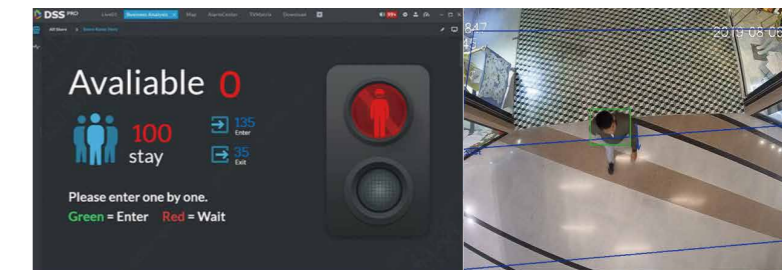


Crowd Analysis

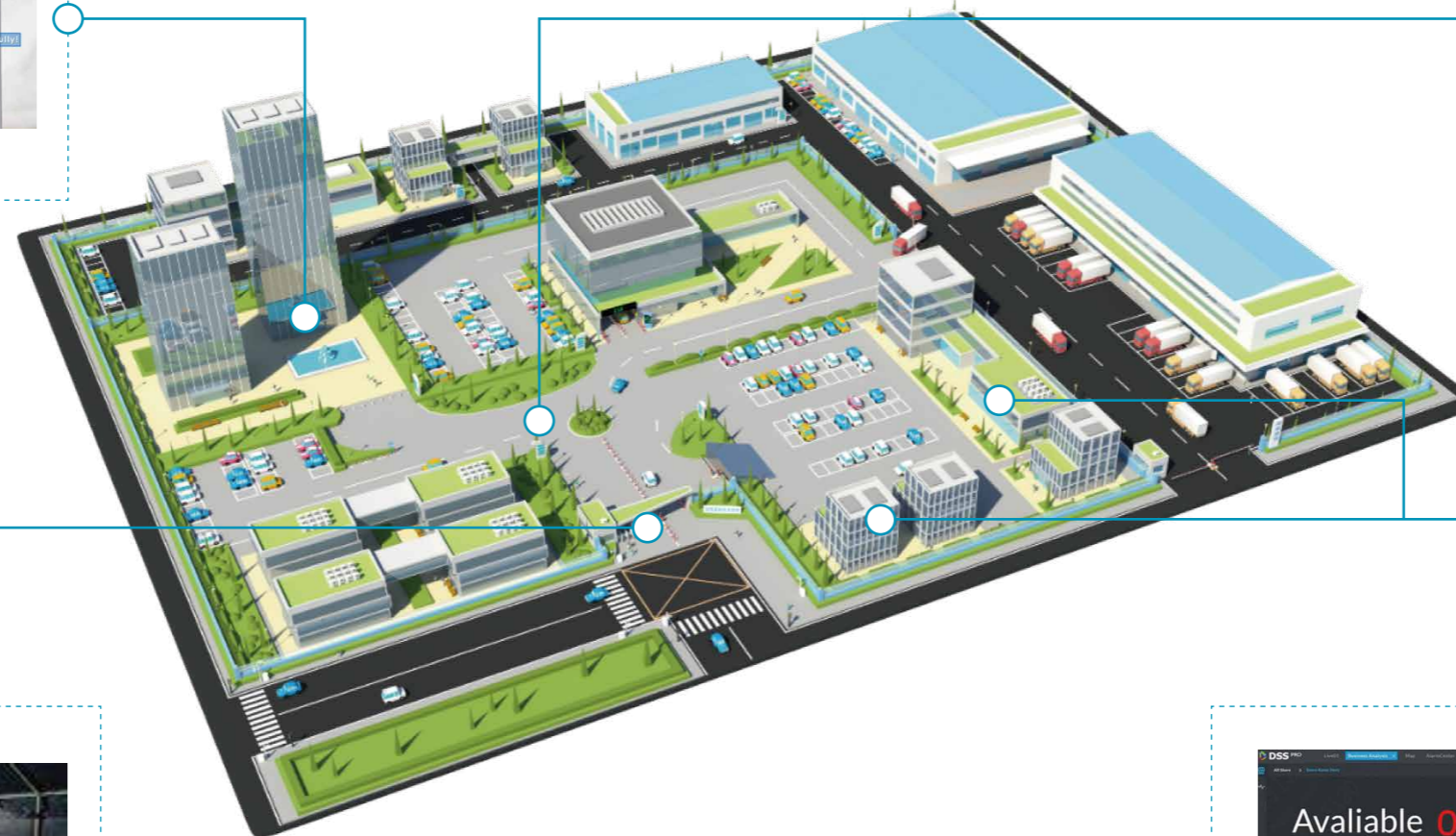
## Canteen/Cafe



People Counting



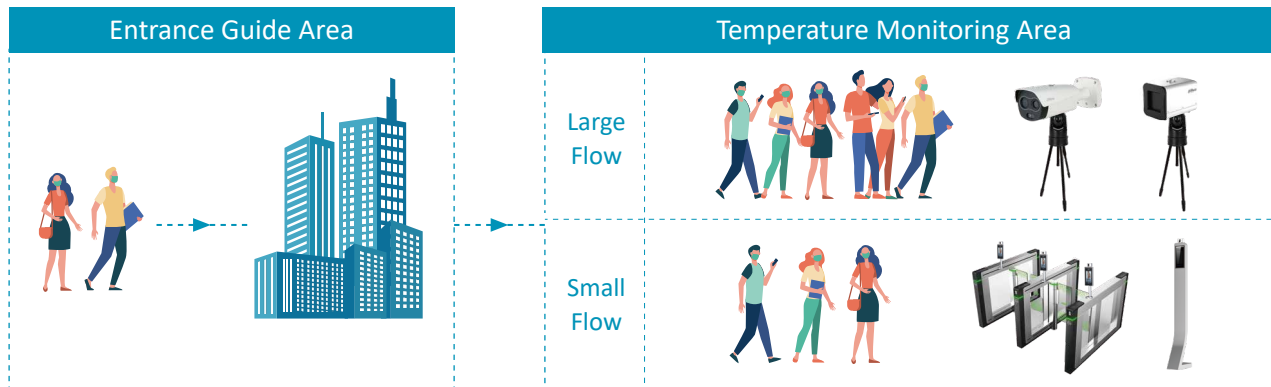
Flow Control



## Solution Introduction

### • Temperature Monitoring

In scenarios with both large and small flow of people, these devices powered by intelligent body temperature monitoring algorithm can quickly identify and discover people with elevated skin temperature, ensuring only those with normal temperature are allowed to enter. At the same time, the results of the face and temperature recognition can be uploaded to the platform and can also be displayed in the dashboard.



Large Flow Scenario--Main Entrance



Multi-targets (30 person at same time)



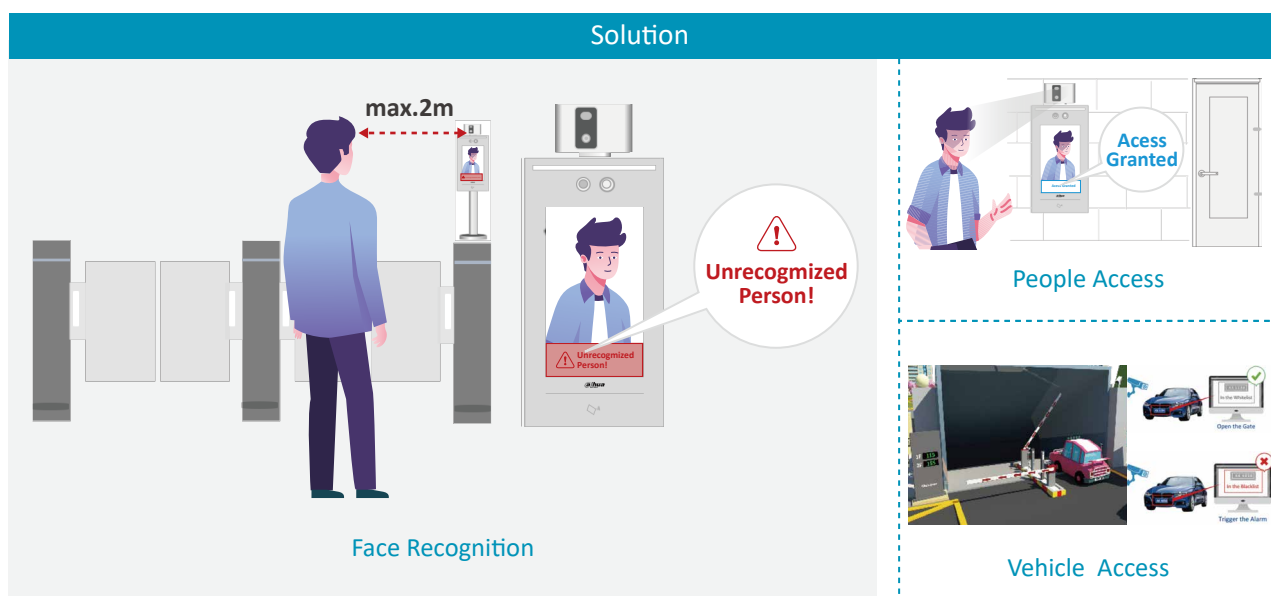
Small Flow Scenario--Building Lobby



High Passage Efficiency: 0.2s/Person

### • Touchless Passage

This solution realizes touchless and intelligent passage through face recognition and license plate recognition.

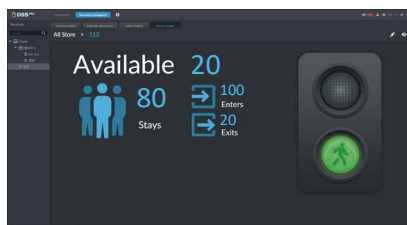


• Flow Control

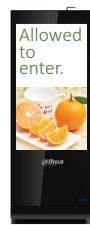
This solution supports multiple entrance and exit detection, and counts the number of customers inside in real time. When the number of people exceeds the threshold set by the user, it will remind people to wait outside.



When the number of people inside is less than the threshold set by the user.



Monitor For DSS Client

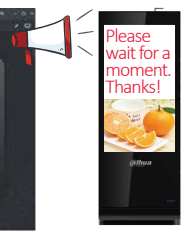


Digital Signage

When the number of people inside exceeds the threshold set by the user.



Monitor For DSS Client



Digital Signage

• Crowd Analysis And People Counting

This solution provides AI remote monitoring for indoor and outdoor scenarios, preventing excessive concentration of people in one area. The camera calculates crowd density and counts the number of people in different regions. If the number of people exceeds the threshold, the alarm will be triggered in time.

This complex block illustrates crowd analysis in two scenarios. On the left, an outdoor 'Square' is shown with a camera icon above it. A warning box below reads 'Too Crowded! No Gathering!'. On the right, an indoor 'Canteen/Cafe' is shown with a camera icon above it. A warning box below also reads 'Too Crowded! No Gathering!'. In the center, a 3D architectural rendering of a building is shown with a camera icon positioned on the roof, indicating the camera's location for monitoring.

### • Mask Detection

This solution can realize real-time mask and face recognition in public areas, indoor spaces, as well as entrances and exits. At the same time, it also offers real-time voice reminder for people who are not wearing masks, uploads alarms to the platform and shows the result on the dashboard.



### • Integrated System And Visual Management

The platform's Monitoring Center dashboard allows customers to view the whole data graphics and event processing progress in real time.



## Solution Value

01

### Regulation Compliant, Comprehensive Prevention

Offers five major technologies powered by AI.

02

### Integrated System, Visual Management

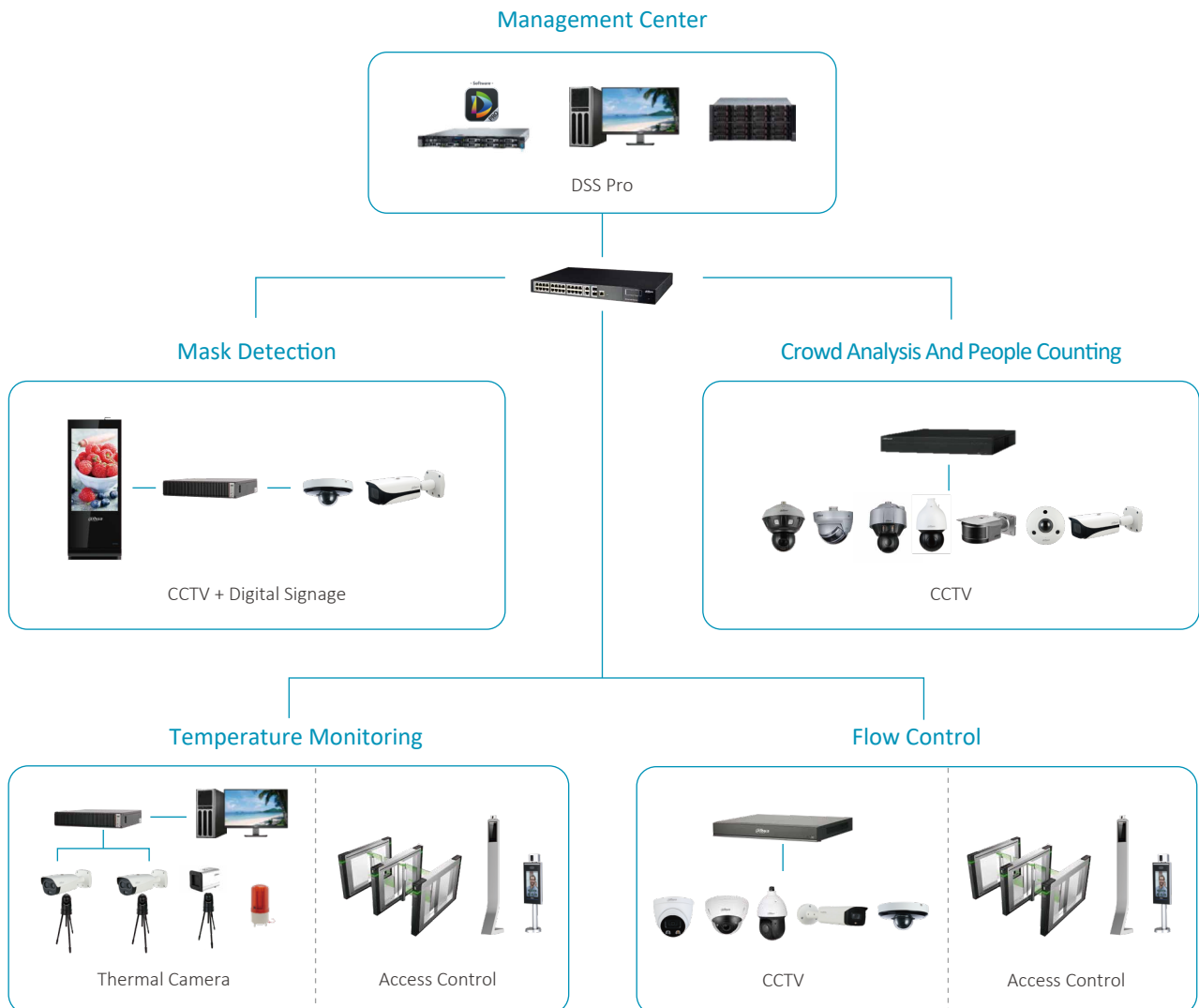
Provides visual management with integrated data graphic dashboard.

03

### Module Design and Reusable

Allows continuous use of devices in the future to improve businesses and living conditions.

## Solution Topology



## Product Showcase



**TPC-BF3221-T**  
Thermal Camera



**DH-TPC-HBB**  
Black Body



**IPC-HDW5541H-AS-PV**  
5MP WDR IR Eyeball AI  
Network Camera



**ITC237-PW1B-IRZ**  
2 Megapixel Full HD  
WDR Access  
ANPR Camera



**SD5A232XA-HNR**  
2MP 32x Starlight IR  
WizSense Network  
PTZ Camera



**PSDW8842ML-A180**  
4x2MP Multi-Sensor  
Panoramic Network  
Camera + PTZ Camera



**IPC-HFW5241E-ZE**  
2MP Pro AI IR  
Vari-focal Bullet  
Network Camera



**SD49425XB-HNR**  
4MP 25x Starlight IR  
PTZ AI Network Camera



**SD49425XB-HNR**  
4MP 25x Starlight IR  
PTZ AI Network Camera



**DHI-NVR5216-16P-I**  
AI Network Video  
Recorder



**SDT5X405-4F-WA**  
Dual 4MP Starlight  
Hunter AI Camera



**IPC-EBW81242**  
Panoramic Network IR  
Fisheye Camera



**DHI-ASGB8xxX-L/R/D**  
Swing Barrier



**DHI-ASI7213X-T1**  
Intelligent Video  
Surveillance Server  
Temperature Access  
Control Terminal



**DHI-ASI7213X-T1+**  
**ASF172X-T1**  
Floor Stand Temperature  
Access Control Terminal



**LDV55-SAI200**  
Digital Signage



**DSS Pro**  
Comprehensive And  
Expandable VMS



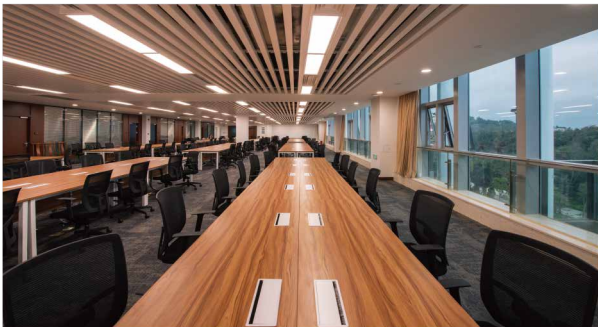
## Application Scenarios



Industrial Park



Residential Area



Office Building



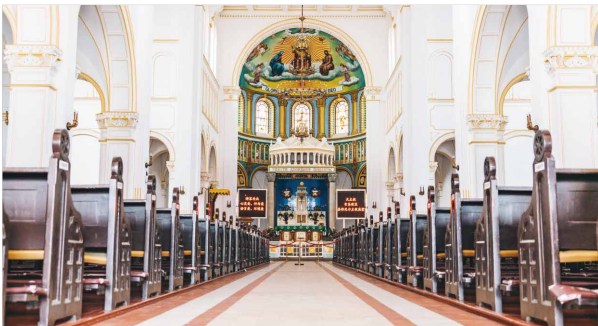
Casino



Library



School



Church



Hotel

# ENABLING A SAFER SOCIETY AND SMARTER LIVING

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\* Design and specifications are subject to change without notice.

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