



Solutions for a Safer Environment

Increase safety & productivity with AI



Temperature Monitoring

High accuracy $\pm 0.3^{\circ}\text{C}$
Contactless measurement
Easy & flexible installation



Contactless Access

Facial recognition **0.2s**
Temperature monitoring **0.2s**
High accuracy $\pm 0.3^{\circ}\text{C}$
People and vehicles



Flow Control

>98% accuracy using AI
Real-time alarms
Multiple entry and exit



Crowd Analysis

Remote management
Indoor and outdoor applications
Reusable investment with AI



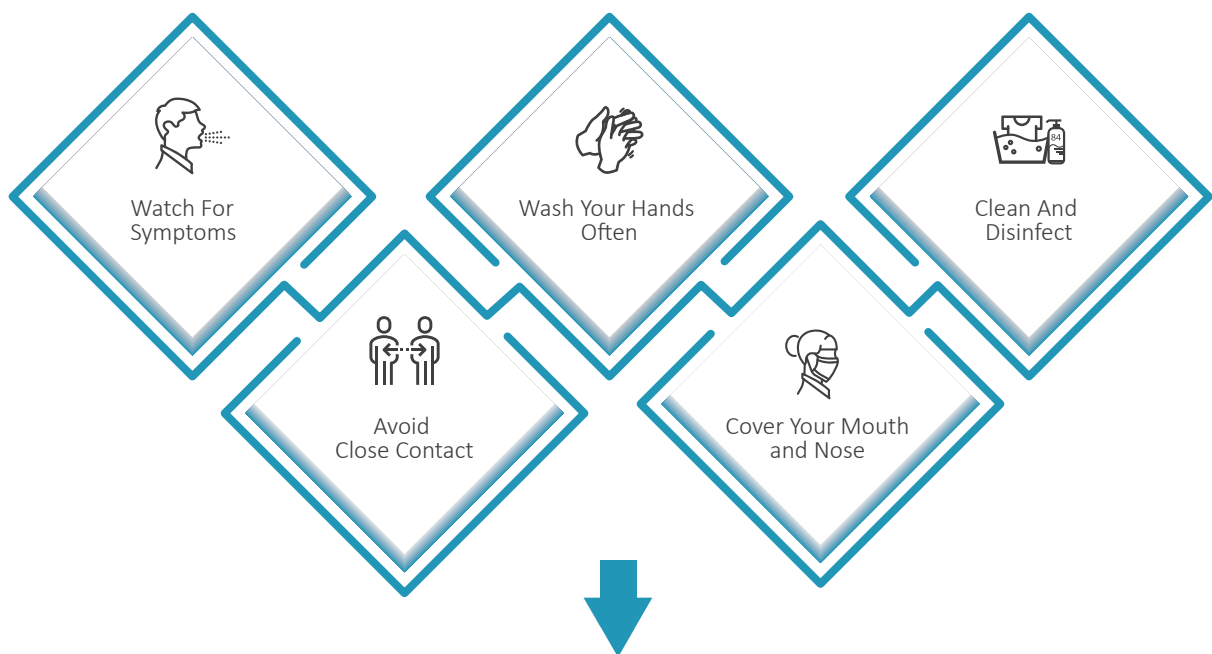
Mask Detection

Real-time alerts
Highly accurate **>96%**
Cost effective - zero to minimal manual intervention

Background

As various countries begin to ease their lockdown restrictions, restoring the economy and returning back to normal life is a major priority for everyone. Currently, the outbreak is still a problem and might continue into next year.

How to protect employees and individuals during this difficult phase has become a challenge for employers and building owners. Based on the policies of the WHO and other regulatory and government bodies, we have launched a comprehensive solution to meet these requirements that involves an integrated system, consisting of five major technologies.



Dahua Solutions

1 Health Monitoring Centre



2 Temperature Monitoring



3 Touchless Access Control



4 Flow Control Crowd Analysis And People Counting



5 Mask Detection



Solution Overview

This solution not only covers multiple industry scenarios, but also includes aspects of every day life, such as working in an office building or industrial estate, studying in schools and libraries, living at home, playing in an outdoor area etc. It aims to provide better protection and will help in getting life back to normal during these challenging times.



Live



Work



Learn



Play

Building Entrances



Mask Detection

Public Square



Crowd Analysis

Main Entrance



Number Plate Recognition

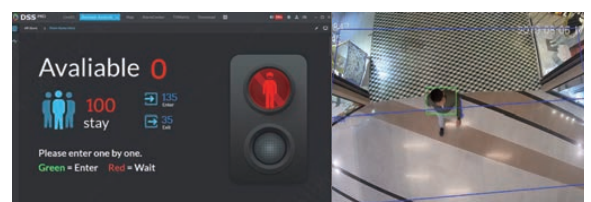
Canteen/Café



People Counting



Temperature Monitoring



Flow Control

Solution Introduction

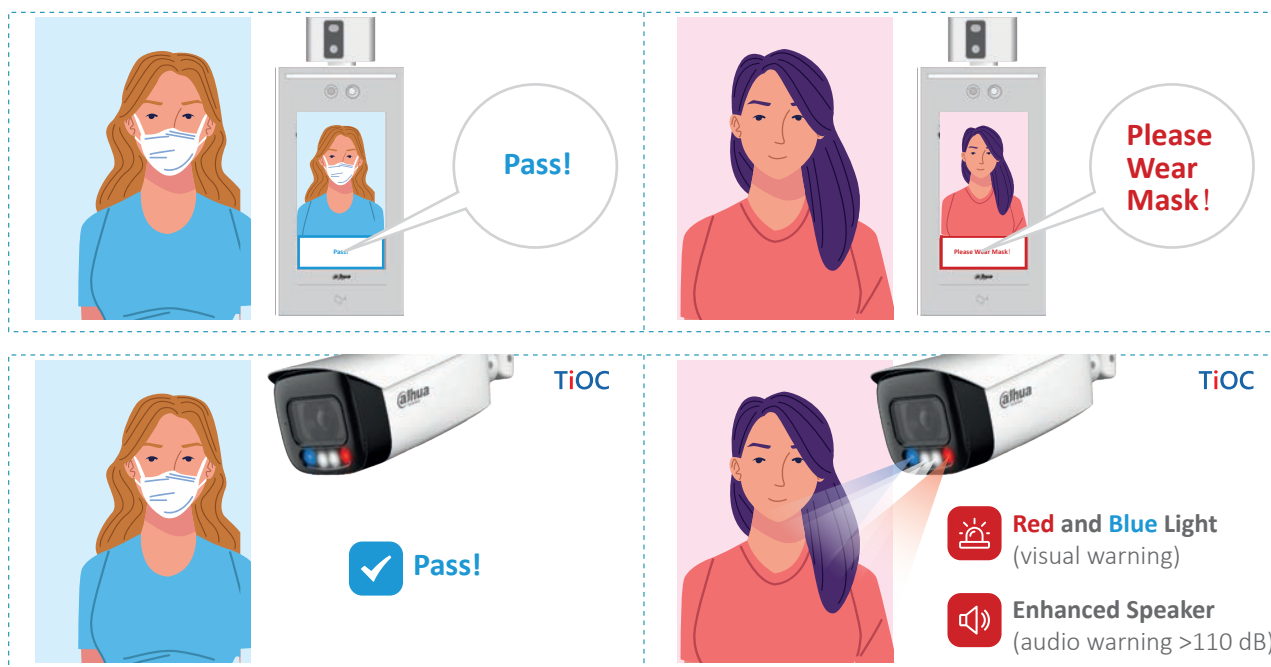
• Integrated System And Visual Management Centre

The Monitoring Centre dashboard within the platform gives customers a real-time holistic overview of the data in graphical form and the progress of each event that has been processed.



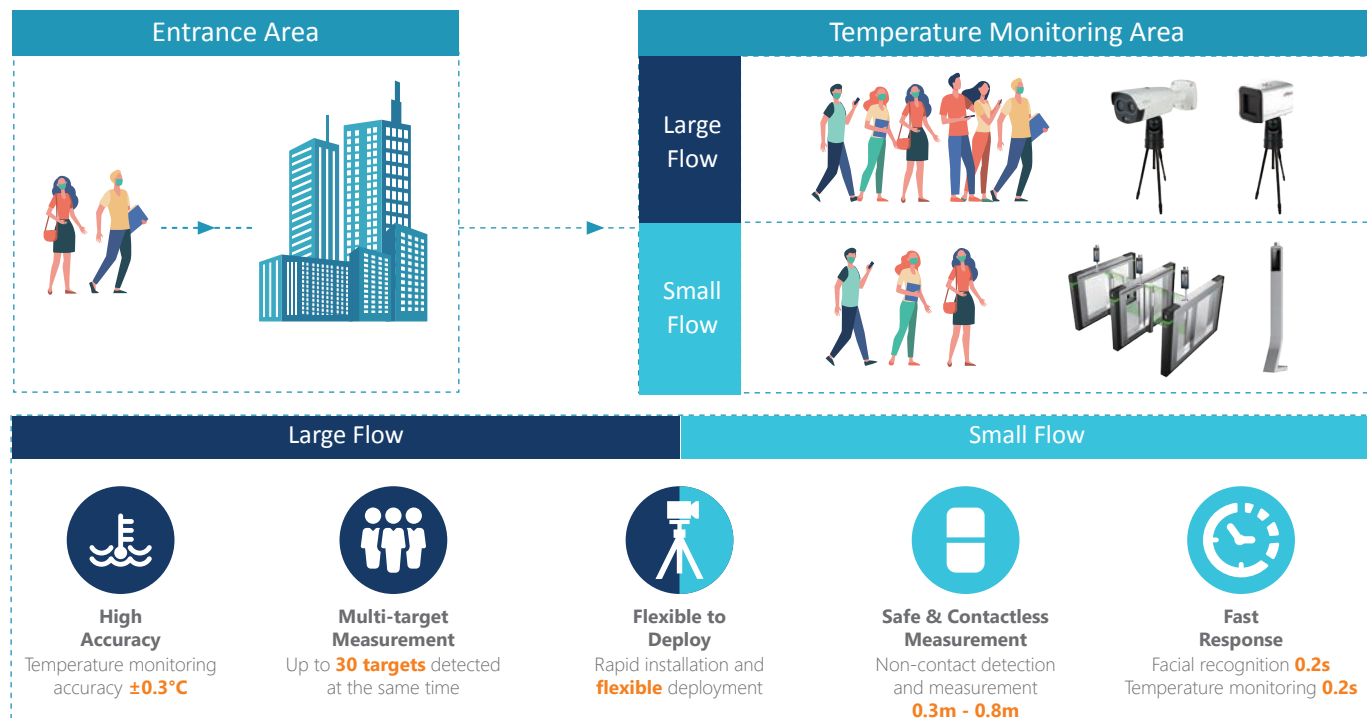
• Face Mask Detection

This solution enables 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 reminders for people who are not wearing masks, uploads alarms to the platform and shows the result within the dashboard.



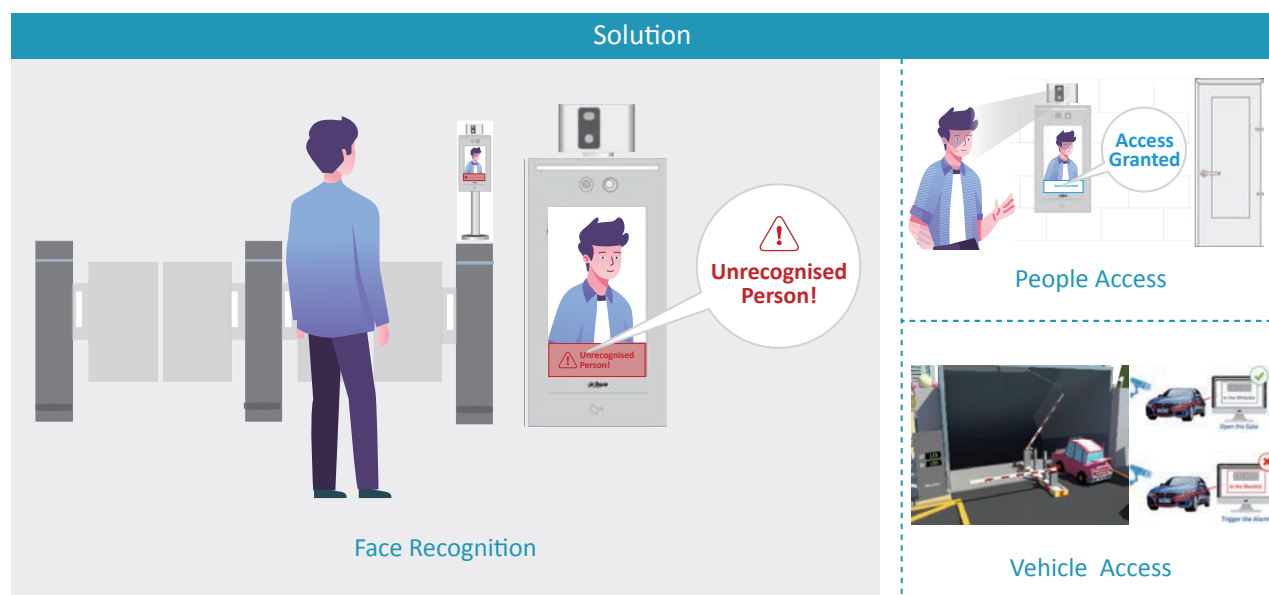
• Temperature Monitoring Access Control

In scenarios with both large and small flows of people these devices, which are powered by an intelligent body temperature monitoring algorithm, can quickly identify and discover people with an elevated temperature, ensuring only those with normal temperatures 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 within the dashboard.



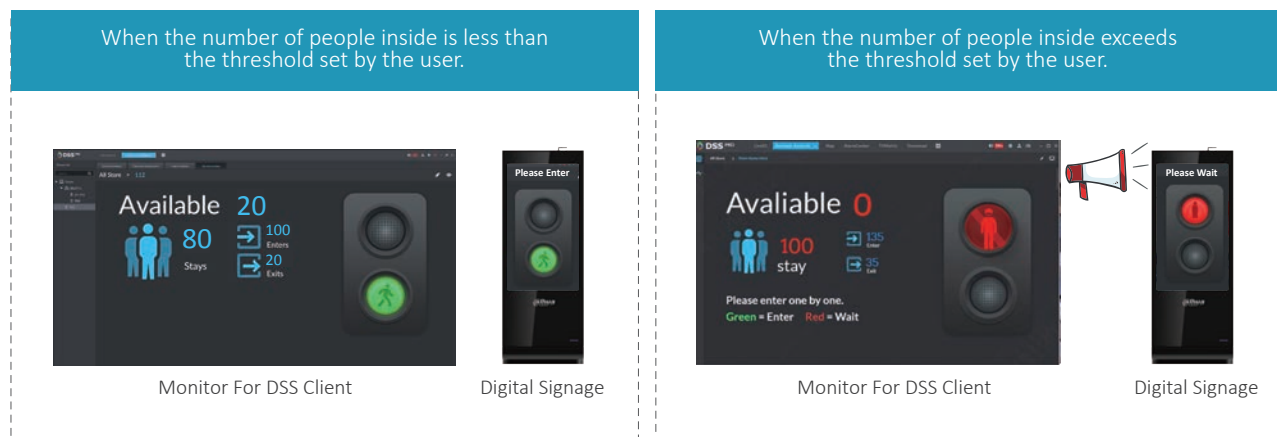
• Contactless Access

This solution enables touchless and intelligent contactless access using face recognition and number plate recognition meaning there is no need to touch anything whether you are driving (ANPR) or entering into a building (face recognition). This method makes access more efficient and more convenient for people.



• Flow Control

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



• Crowd Analysis and People Counting

This solution provides AI-powered remote monitoring for indoor and outdoor scenarios, preventing an 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.





| Solution Values

01

Comprehensive Prevention Supporting Your Processes

Incorporating five major technologies powered by AI.

02

Integrated System, Visual Management

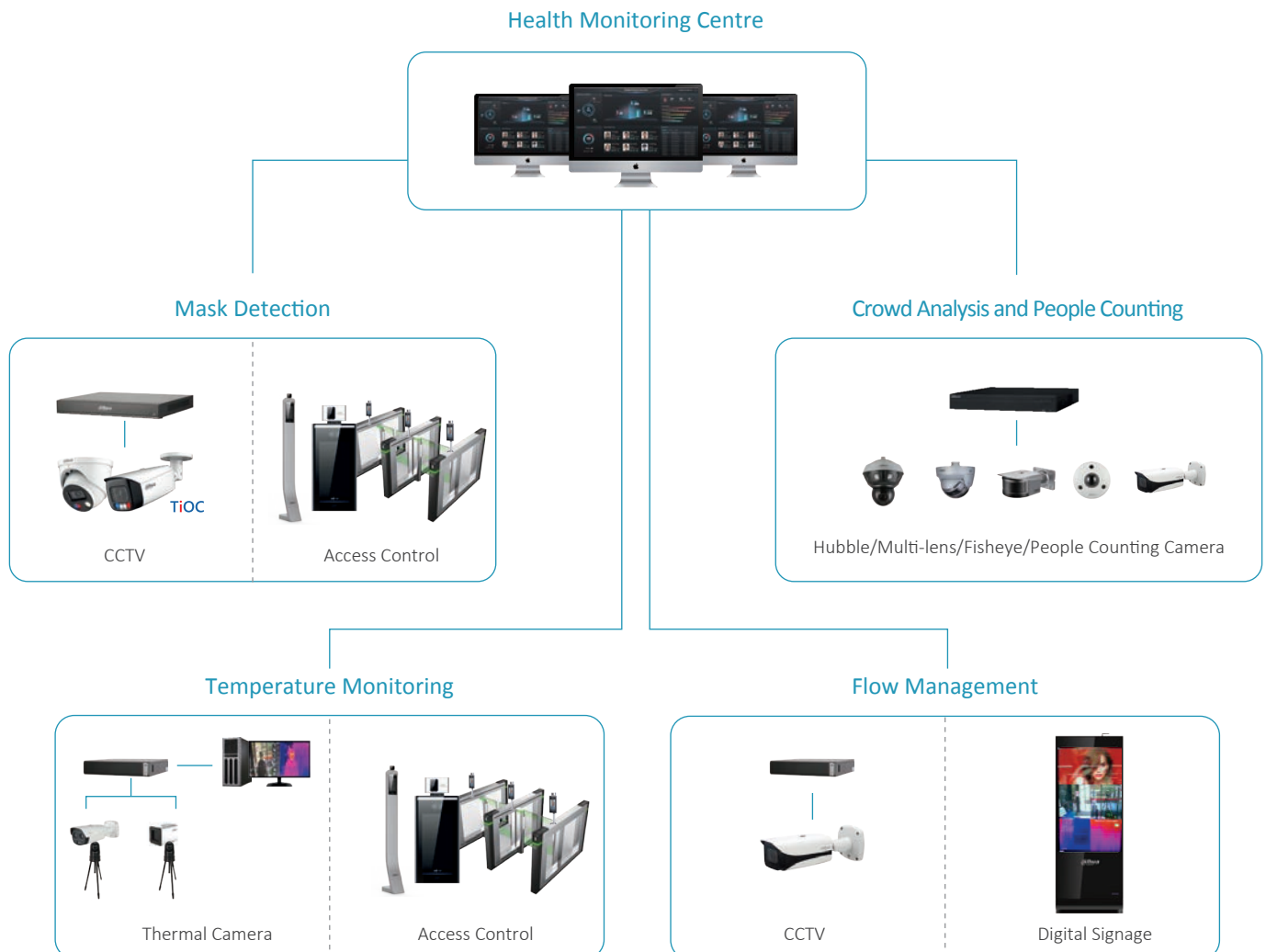
Provides visual management with integrated data dashboard.

03

Modular Design and Future-proofed

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

| Solution Topology

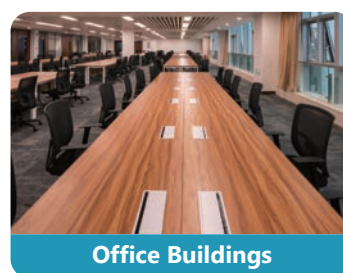




Product Showcase

 DSS Pro Comprehensive and Expandable VMS	 TPC-BF5421-T TPC-BF2221-HTM Thermal Camera	 DH-TPC-HBB Blackbody	 IPC-HFW5541E-ZE 5MP IR Vari-focal Bullet WizMind Network Camera
 DHI-NVR5216-16P-I AI Network Video Recorder	 IPC-EBW81242 Panoramic Network IR Fisheye Camera	 LDV55-SAI200 Digital Signage	 PSDW82442M-A270-D440 6x4MP Multi-Sensor Panoramic + PTZ WizMind Network Camera
 DHI-ASGB8xxX-L/R/D Swing Barrier	 DHI-ASI7213X-T1 Temperature Access Control Terminal	 DHI-ASI7213X-T1 + ASF172X-T1 Floor Stand Temperature Access Control Terminal	 DHI-ASI7213YO-V3-T0 Wrist TMAC Terminal
 IPC-HFW3549T1-AS-PV TiOC 5MP IP Bullet Camera	 IPC-HDW3549H-AS-PV TiOC 5MP IP Dome Camera	 ITC237-PW6M-IRLZF1050 ITC215-PW6M-(IR)LZF Access ANPR Camera	

Application Scenarios



* Design and specifications are subject to change without notice.

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