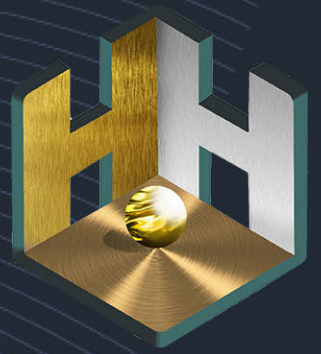

BOOSTING EMPOYEES AND CUSTOMERS SAFETY WITH TEMPERATURE SCANNING AND FACE RECOGNITION SYSTEMS

Intelligent | Innovative | Powerful

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About Us

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About Us

GUEST CONTROL SYSTEMS LIMITED was founded on a vision to innovate unique smart technology solutions for the Hospitality Industry. GUEST CONTROL SYSTEMS LIMITED brings to its position as an advance smart technology solutions design and development company a rich heritage of innovation and technological advancement. Today, GUEST CONTROL SYSTEMS LIMITED has moved well beyond the role of traditional solution development and has been focusing on creating total vertical industry applications and solutions that can help the vertical industry to reduce their capital expenditure, operation expenditure while improving their revenue by improving operational performance. The result is a unique market niche highlighting the company's ability to offer its portfolio of applications and solutions at lower cost, increased reliability with value added advantages. GUEST CONTROL SYSTEMS LIMITED solutions are at works in thousands of hospitality and vertical enterprises extended across the globes including those prestigious fortune 500 companies. It is this level of experience and performance that has positioned the company in a place of prominence as it continues to expand its solutions portfolio to meet the challenging hospitality and vertical industry market needs.

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Situation Analysis & Technology Transformation

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Situation Analysis & Technology Transformation

- Since the outbreak of the Coronavirus epidemic in 2020, body temperature detection and identification has become a necesites to identify and prevent viral infections. Although handheld infrared thermometers are commonly used, it requires short distance between humans and the device. It is slow and recording has to be done manually. With such device, it is inefficient to use for controlling large crowd as large number of personnel are required.

- The traditional infrared temperature measuring gun requires a person to operate at close range. Using the face recognition temperature measurement access control device can save manpower, reduce contact, and avoid cross infection. When temperature measurement process is completed, the records will be instantaneously uploaded to a remote administrative dashboard for further action.

- Face recognition access control equipment can quickly detect body temperature which is more efficient and safe. The detection distance of 0.5-1.5 meters avoids the risk of personal contact and infection.

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Product Preview

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Product Preview

CONTACTLESS

Far-Distance Accurate Temperature Measurement

Far-distance non-contact temperature measurement saves manpower and reduces everyone's contact. The temperature measurement range is 30 ~ 45 ℃, and the temperature measurement accuracy is ± 0.3 ℃.

STRICT CONTROL

Recognition With Mask On

Within strict control area, people do not need to remove mask. Access can be managed fast and effectively to avoid crowding. This can avoid any cross infection

EASE OF DEPLOYMENT

Multi-Application Mode

Can be configured for many different application modes:

- Standalone temperature monitoring
- Temperature monitoring with turnstile access control
- Temperature monitoring with time stamped attendance record

TRACABLE

Tracing with Abnormal Temperature Reading

The facial record is automatically saved, which can be used to trace the victim for secondary screening and further verification.

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Core Functions

Face Scanning & Verification
Able conduct precise facial recognition

Remote Temperature Scanning
Contactless temperature scanning with precision within 0.5 meters

Mask Recognition
Infrared thermal imaging can detect presence or absence of mask with alarm alert

Multi-Languages Support
Able to support multiple languages operations

Access Control Interface
Able to interface to Turnstiles and other barrier control

Statistical Report
Store scanning data and able to generate report accordingly

Exception Report
Generate report above set threshold with alarm generation

Tracing Record
Tracing and retrieve stored data

Scanning in Darkness
Able conduct precise facial scanning in darkness

3rd Party Integration
Can integrate with 3rd party products

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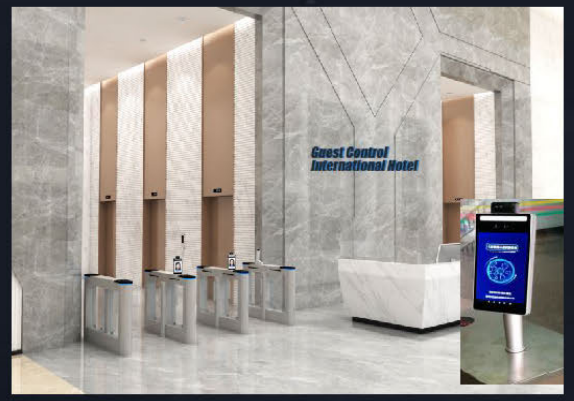
8 Inches Temperature Scanning & Face Recognition System

Model GuestControl™ ScanSave™ TMS-5080 with Optional Soap Dispenser



Face Recognition & Temperature Detection with Optional Integration with Automated Turnstile Access Control

Face Recognition & Temperature Detection on Pole with Manual Access Control

Wall-Mount Face Recognition & Temperature Detection System

Desk Top Face Recognition & Temperature Detection System with Time Stamped Access (Optional Integration with Attendance System)

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Precision Temperature Scanning & Face Recognition

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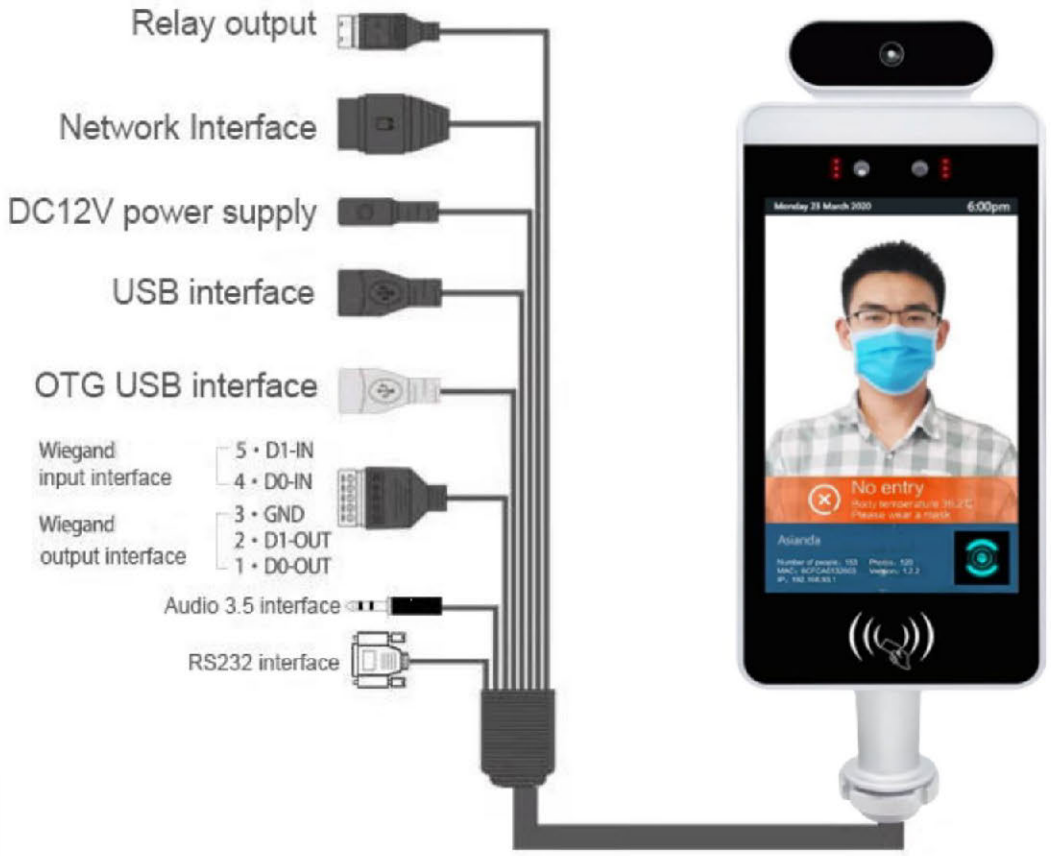
8 inches Temperature Scanning & Face Recognition System

Interfaces Supported



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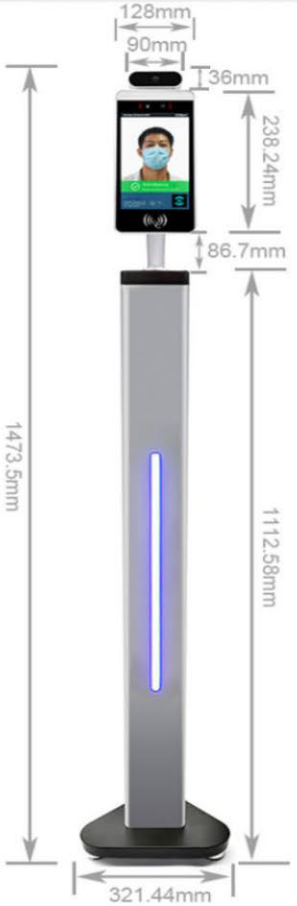
Measurements



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8 Inches Temperature Scanning & Face Recognition System

Interfaces Supported

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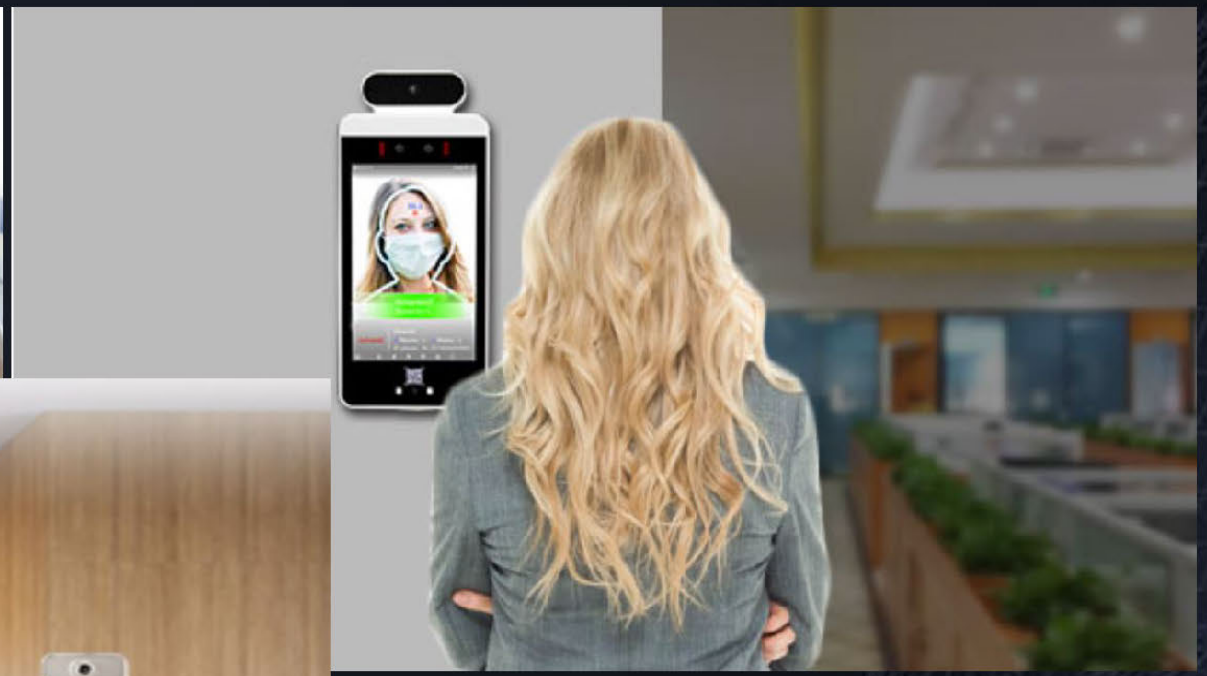
8 Inches Temperature Scanning & Face Recognition System

Typical Application Scenario



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21 Inches Big Screen Temperature Scanning & Face Recognition System

GuestControl™ ScanPower™ Kiosk Model TMS-5081 Complete with Soap Dispenser

21 Inches Big Screen Temperature Scanning & Face Recognition System

Ideal for awareness information and promotional activity display

- IR Automatic Dispenser / Hand Sanitizer
- Android 7.1, Cloud Account CMS
- Wall mount / Floor Standing Display
- Flexible Front Maintenance
- Big Volume Bottle
- Water Level Indicator
- Face recognition temperature measurement
- Big screen for information and promotional display

The GuestControl™ ScanPower™ Kiosk Model TMS-5081 allow you to display a series of advertisements, messages, video, news feeds, and other form of information.
While displaying the information, you can provide the audience with free temperature scanning and sanitizer , giving the a new experience and at the same time, protect them from virus and bacterial infection. A dual promotional and a hygiene tool!

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Precision Temperature Scanning & Face Recognition

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21 Inches Big Screen Temperature Scanning & Face Recognition System

Typical Application Scenario

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Centralized Monitoring & Data Collection

Face recognition, temperature detection
& Identification terminals

Centralized administrative data collection
and analysis dashboard

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Feature Highlights

- 8-inch IPS full-view LCD display.
- Supports 30,000 face database. The 1: 1 comparison recognition rate is more than 99.7%, the 1: N comparison recognition rate is more than 96.7%@0.1% mis-recognition rate, and the live detection accuracy rate is 98.3%@1% mis-rejection rate. Face recognition pass speed is less than 1 second.
- Supports accurate face recognition and comparison while wearing a mask.
- Using industrial-grade binocular wide dynamic camera, night infrared and LED dual photo flood lamp.
- Support processors with strong performance: Rockchip RK3288 quad-core processor, Rockchip RK3399 six-core processor and Qualcomm MSM8953 octa-core processor.
- Supports human body temperature detection and temperature display. The best temperature detection distance is 0.5 meters. The longest distance at which body temperature can be measured is 1 meter. The measurement error is plus or minus 0.2 ℃.
- It only takes a few seconds for detection, and supports automatic alarm for body temperature abnormality.
- Attendance temperature measurement data is exported in real time.
- The documentation is complete and supports secondary development.
- Support system level, APP offline level, APP + background network level multiple API docking.

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Products Highlights

- Temperature range can be set, 30~45℃ recommended; tolerance ≤0.3℃
- Can be connected with audio, visual and alarm with 80ms response time.
- Multiple usage modes:
  a. Thermometer + facial recognition in automated access control mode
  b. Facial recognition + temperature control mode
- Flexible installation:
  a. Desktop or wall-mount type at the entrance for temperature monitoring and access management.
  b. Mounted on automated turnstile access control system.
  c. Fixed on pole with temperature monitoring and manual access control with reporting

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Application Scenario

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Temperature Monitoring & Recognition with Mask On

Guest Control Systems Limited face recognition thermometer device are of high precision. It can easily recognize faces as long as 60% of nose bridge is exposed (98% recognition rate).
This excellent feature can expedite the processing speed and improve crowd control. The system can be configured for alarm alert upon detecting anyone without masks.

98% Successful Recognition Rate

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Access Temperature Setting

Body temperature alarm setting

- The alarm temperature can be set by administrators (37.3° default)

Visitor having a fever forbidden setting

- Enable/Disable visitor having fever to access (controlled by turnstile)
  a. Open: Turnstile will not open for visitor having a fever
  b. Close: Turnstile will open for visitor with normal temperature

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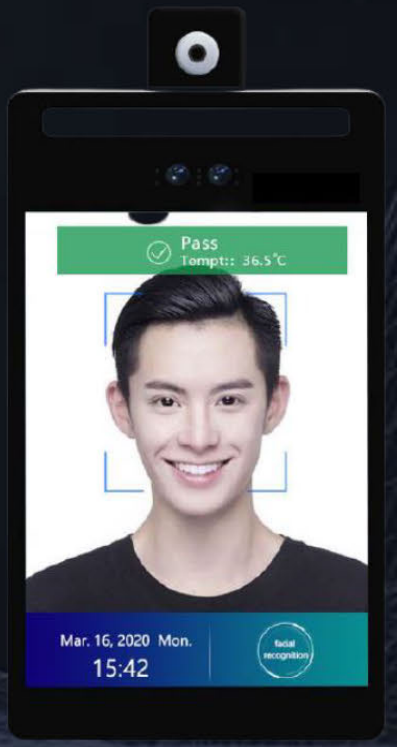
Real Time Monitoring

Facial recognition thermometer device enjoys high precision with tolerance of ±0.3℃. The recorded temperature will be automatically uploaded to the server. Every visitor temperature will be recorded. Normal temperature will be shown in green and high temperature in red.

NAME: PETER	STATUS: VISITOR
TEMPERATURE: 36.5°	CHECK-IN TIME: 07:45
TEMPERATURE: 37.5°	CHECK-IN TIME: 08:00



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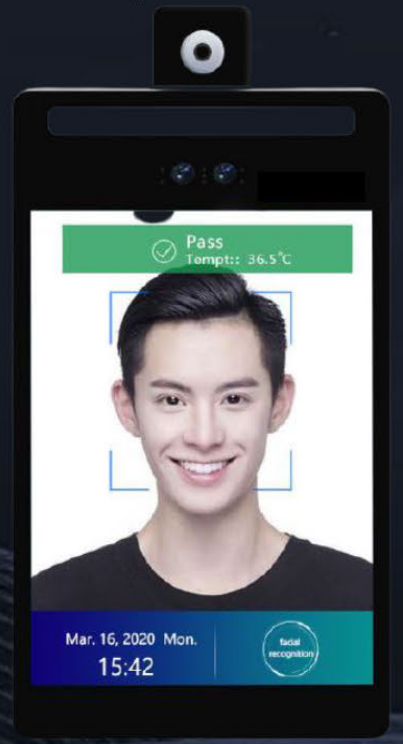
Different Material and Color Options

Based on real-time temperature records, the system will generate a daily alarm list. For manually control area, this will improve efficiency. The system will only record visitor with abnormal temperature.



NAME: TOM	STATUS: VISITOR	TEMPERATURE: 37.5°	TIME: 07:45
NAME: PETER	STATUS: HOUSEKEEPING	TEMPERATURE: 38.5°	TIME: 09:00
NAME: MAGARET	STATUS: FRONT OFFICE	TEMPERATURE: 39.5°	TIME: 13:20

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Application Scenario - Temperature Monitoring

36.8℃
Normal temperature

Face recognition successful. Temperature 36.8℃ normal. Access allowed

38.1℃
Abnormal temperature

Face recognition successful. Temperature 38.1℃ abnormal. Access deny

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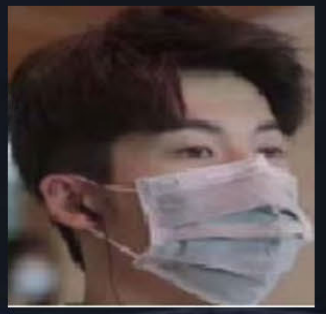
Application Scenario - Manual Access Control

36.8℃
Normal temperature

Normal temperature, sound alert, face image recorded



38.1℃
Abnormal temperature

Abnormal temperature, alarm alert, face image recorded. Access deny.

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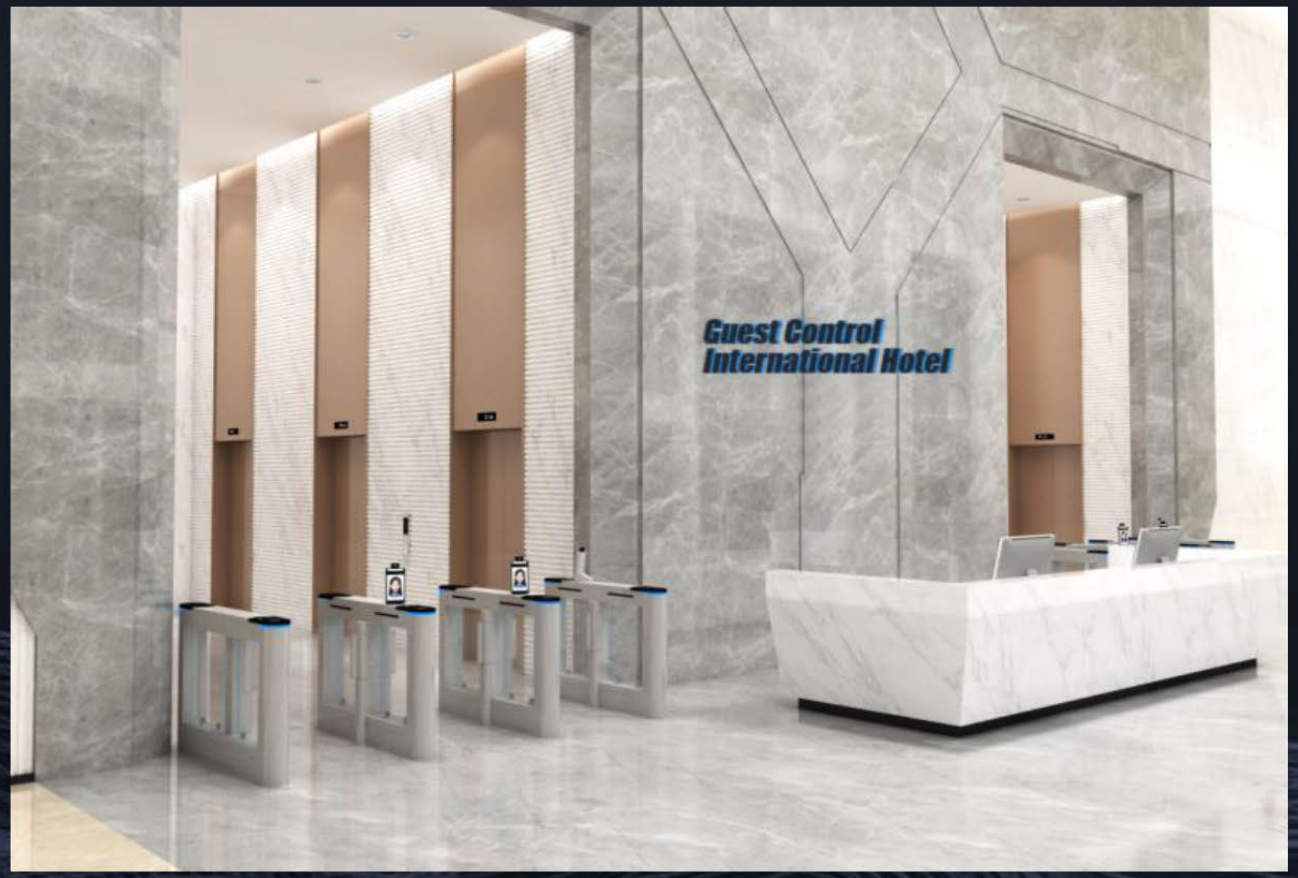
Application Scenario - Automated Turnstile Access



36.8℃
Normal temperature

Normal temperature (facial recognition not needed) pass permitted, face image recorded

38.1℃
Abnormal temperature

Abnormal temperature, access denied, face image recorded

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Application Areas

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Application Areas

The product is suitable for:

- Hotels
- Cruise ships
- Service apartments
- Condominiums
- Airports
- Department Stores
- Public transport terminals
- Commercial buildings
- Banks
- Public service centers
- Government Offices
- Hospitals

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PRODUCT OF

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Thank You