

Exclusive Webinar  
„Dahua solutions for  
Corona prevention“



# Webinar moderators



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## Today's topics

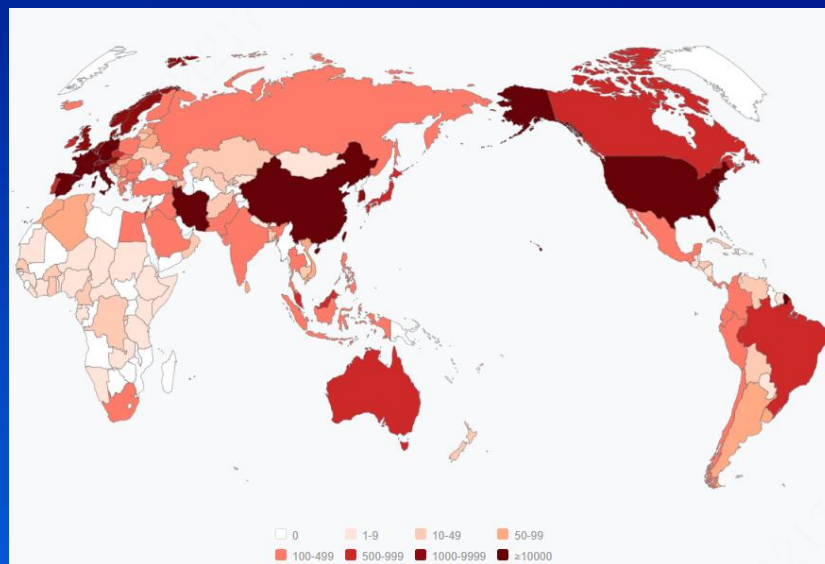
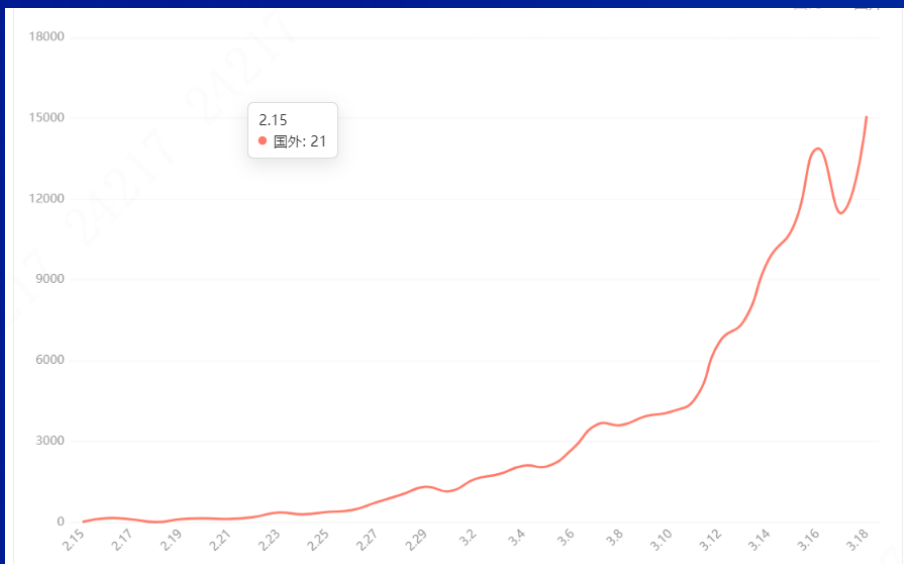
- 1. Retail People Counting Flow Control Solution.
- 2. Face Recognition Terminal with Temperature Monitoring.
- 3. Thermal Human Temperature Measurement Solution.

# Dahua Temperature Monitoring And Face Recognition



# Background

At the end of 2019, Novel Coronavirus (COVID-19) broke out, which is characterized by human-to-human transmission, medical staff infection and community transmission. The disease has spread around the world.



# Status Analysis

## Body Temperature Monitoring



### Key Function ▶

#### Preliminary Screening

#### Temperature Record

### Current Status ▶

- Low efficiency of infrared detection thermometer
- Manual temperature monitoring
- workload, high risk

- Manual recording is inefficient
- Personnel information collection is difficult

### Requirement ▶

- Non-contact automatic temperature monitoring
- Accurate, faster

- Record abnormal temperature information automatically
- Collect abnormal personnel portrait automatically

# Selection

# Highlight

## Turnstile



New project



Existing project

## High Accuracy

$\leq 0.5^{\circ}\text{C}$

## Non - contact

Non - contact temperature detection, quick screening

## Installation

Installation is simple, convenient to move, can be used standalone without software

## Abnormal alarm

Support abnormal temperature alarm, non wearing mask alarm

## Export report

Support for query and export of abnormal temperature report

## Variety functions

Support access control, attendance, temperature monitoring, Mask detection

## Standalone

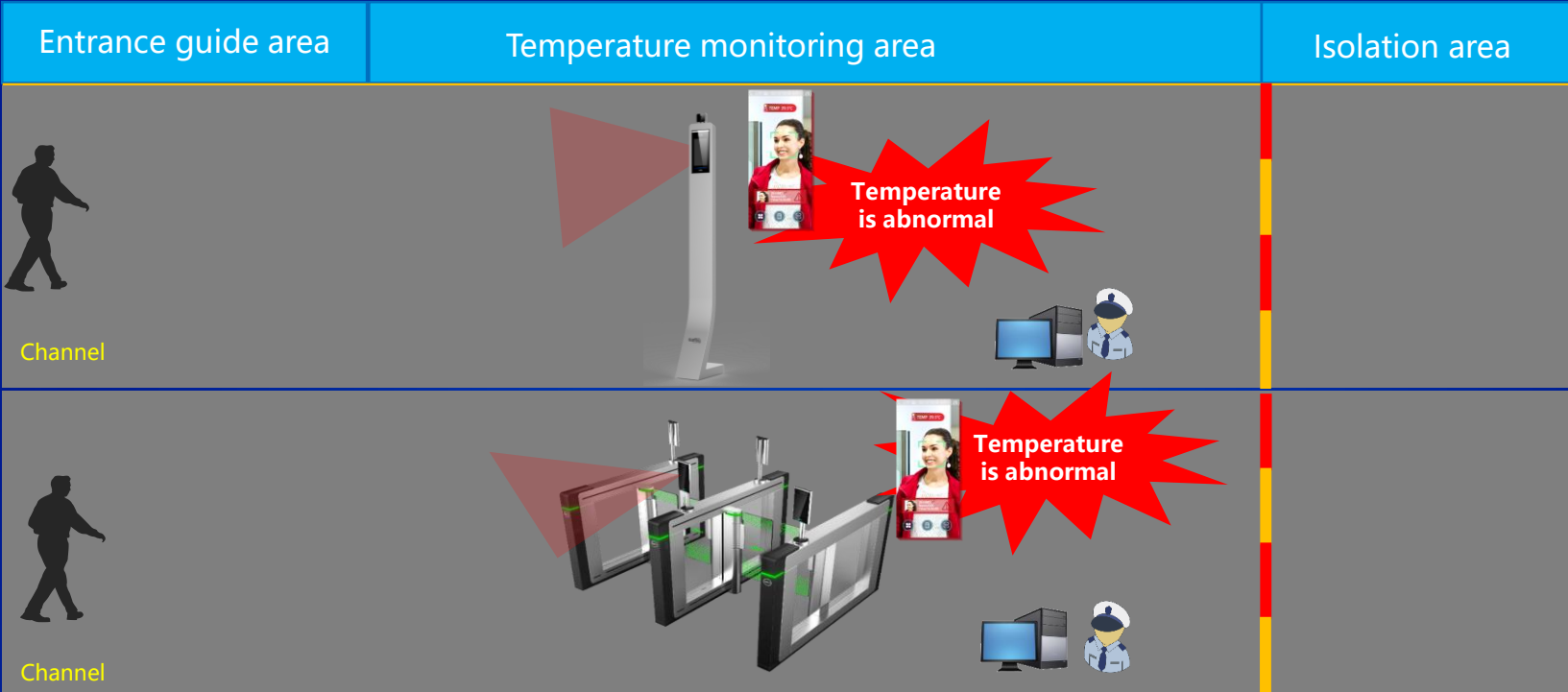


Wall mounted



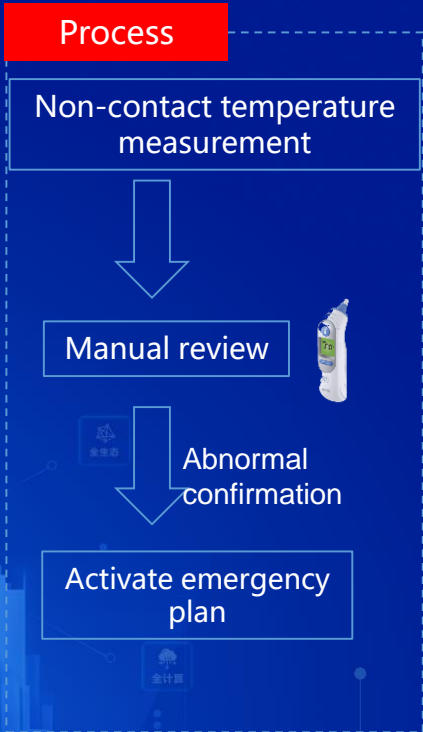
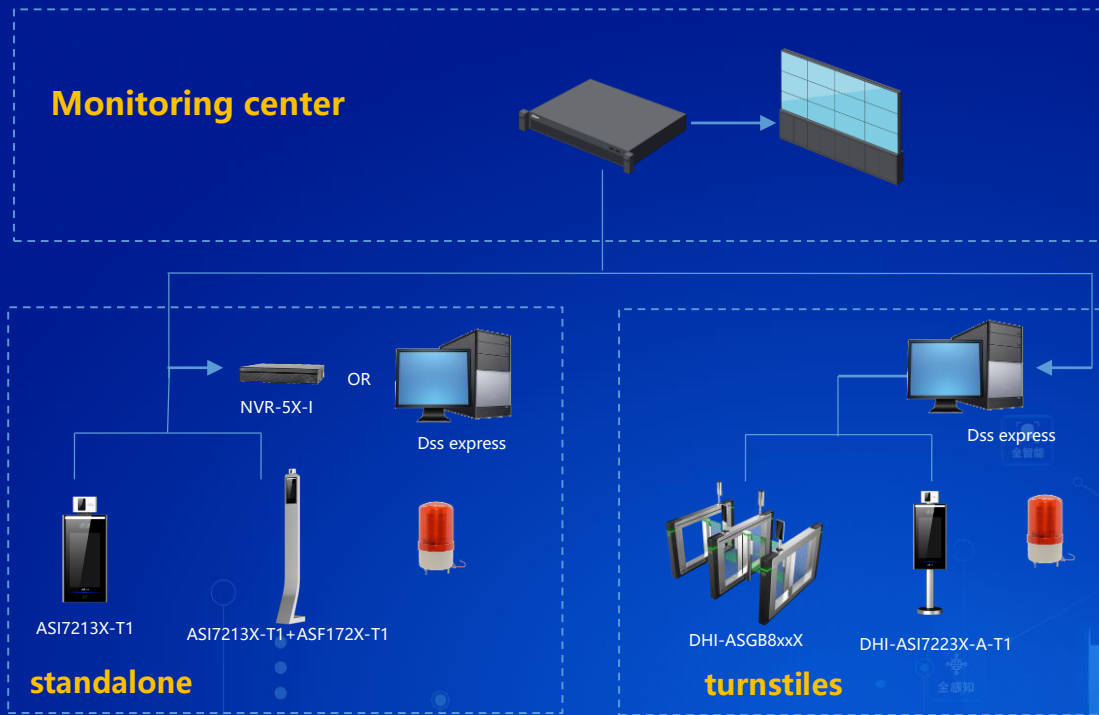
Vertical mounted

# Solution





# Topology



# Products



Temperature Monitoring and face recognition terminal  
DHI-ASI7213X-T1

## Features: temperature monitoring \ no contact

- 7-inch touch screen
- Ambient temperature range : 16° C ~ 32° C
- Temperature accuracy:  $\leq 0.5^{\circ}\text{C}$
- Temperature monitoring distance: 0.3m ~ 1.8m
- Sound prompt: Temperature abnormal & **no mask alarm**
- Unlock Mode: Face/**Card**/Password



Temperature Monitoring and face recognition terminal  
DHI-ASI7213X-T1 + DHI-ASF172X-T1

## Features: temperature monitoring \ no contact

- 7-inch touch screen
- Ambient temperature range : 16° C~32° C
- Temperature accuracy:  $\leq 0.5^{\circ}\text{C}$
- Temperature monitoring distance: 0.3m ~ 1.8m
- Sound prompt: Temperature abnormal & **no mask alarm**
- Unlock Mode: Face/**Card**/Password

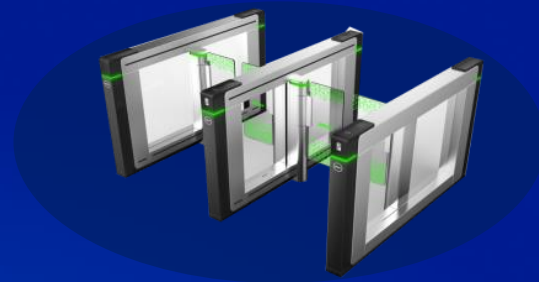
# Products



Temperature Monitoring and face recognition terminal  
DHI-ASI7223X-A-T1

Features: temperature monitoring \ no contact

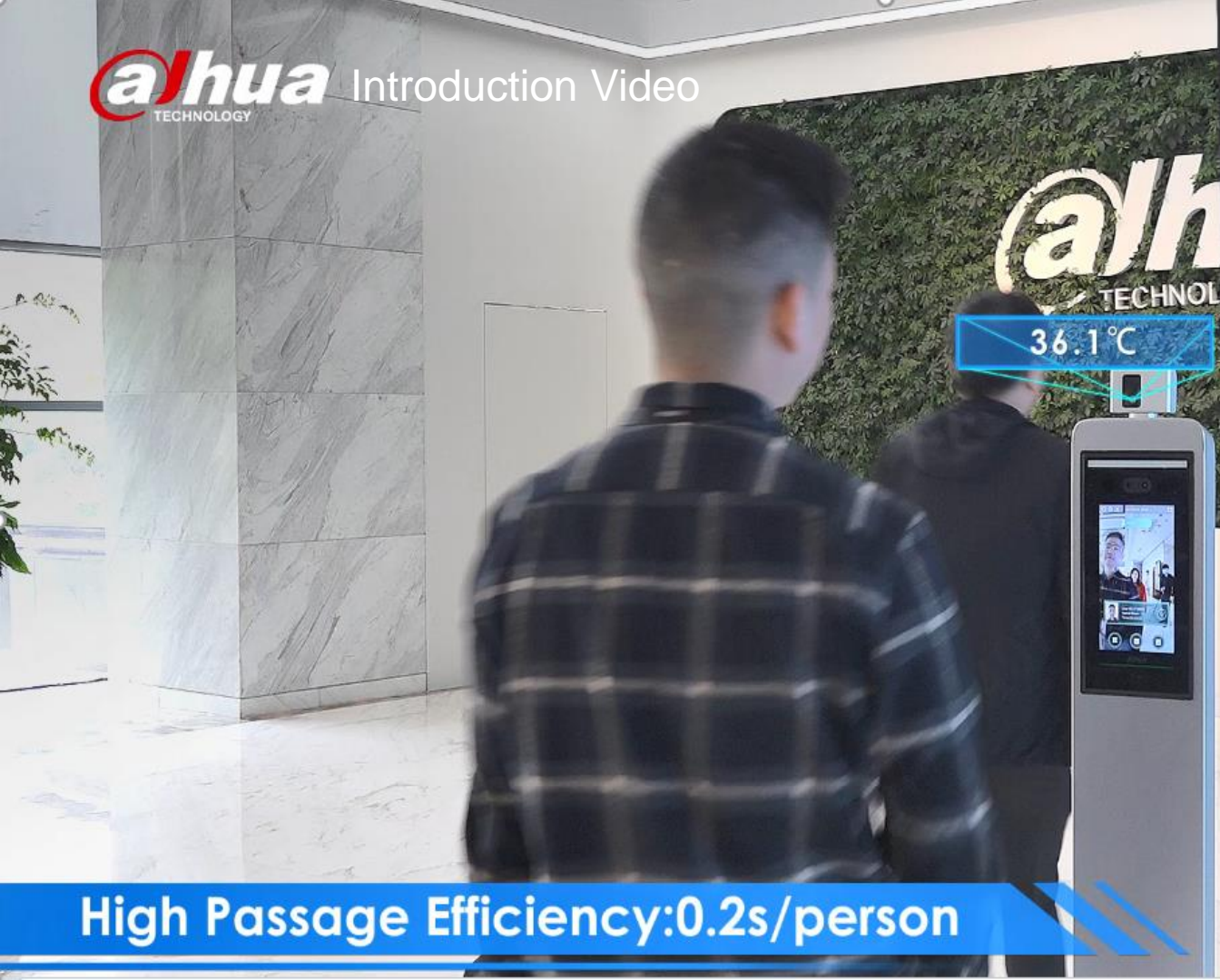
- 7-inch touch screen
- Ambient temperature range : 16° C ~ 32° C
- Temperature accuracy:  $\leq 0.5^{\circ}\text{C}$
- Temperature monitoring distance: 0.3m ~ 1.8m
- Sound prompt: Temperature abnormal & **no mask alarm**
- Unlock Mode: Face/Password



Turnstiles  
DHI-ASGB810X

Features: security \ rapid transit \ durable

- Pedestal material: 304 stainless steel, thickness 2.0mm
- Motor type: Servo motor
- IR Light Detectors: 30 pairs
- Lane width : 600mm~1000mm
- Barrier material: Acrylic glass
- Power: AC 100-240V/50~60HZ



**High Passage Efficiency:0.2s/person**



1. Vertical bracket(DHI-ASF172X-T1)

2. Installation manual

3. Waterproof case

4. Module-bracket joint

5. Screw package

6. Temperature monitoring module

7. Access control terminal(DHI-ASI7213X)

8. Module-terminal bracket

9. Power adapter

②

③

④

⑤

⑦

①

⑨

# Competitive Products

Brand	Dahua	H.	ZK.	U.
Image				
Model	ASI7213X-T1	DS-XXXX	ProXXXX	EP-XXX
Screen	7-inch, 2.5D curved	7-inch	8-inch	7-inch,600*1024
Thermal imaging resolution	120*90	120*160	16*4	32*32
Face Capacity	100,000 ★	50,000	50,000	50,000
Face recognition time	0.2s	0.2s	0.3s	0.2s
Efficiency	0.5s ★	1s	2s	2s
Temperature module	Thermal imaging ★	Thermal imaging	Thermopile热	Thermopile
Mask detection	Support	Support	Support	Support
Temperature measurement range	30° C ~ 50° C ★	30° C ~ 45° C	30° C ~ 45° C	30° C ~ 45° C
Temperature accuracy	0.5° C	0.5° C	0.3° C	0.3° C
Temperature measurement distance	0.3m ~ 1.0m ★	0.3-1.5m	0.3m ~ 0.5m	0.5m
Price	USD:XXX	USD:2xxx	USD:8xx	USD:1xxx

# Thermal imagery VS Thermopile (Technical)

Type	DAHUA Thermal imagery	Other Thermopile	Explain
Temperature sensor	Accuracy sensor <ul style="list-style-type: none"> <li>● Factory once calibration ★</li> <li>● Support temperature compensation algorithm</li> <li>● 120 * 90 resolution ★</li> <li>● Low power, long life</li> </ul>	General sensor <ul style="list-style-type: none"> <li>● need Multiple calibration of temperature</li> <li>● Not support temperature compensation</li> <li>● 32* 32 resolution</li> <li>● High calorific value</li> </ul>	<p><b>Features of Thermal Imagery:</b>                      The temperature monitoring range is <b>wide</b>, the temperature monitoring distance is <b>long</b>, the temperature monitoring speed is <b>fast</b>, and the self-contained face monitoring function can accurately locate the forehead temperature to prevent temperature misjudgment.</p> <p><b>Advantages of Dahua Thermal :</b>                      The monitoring <b>speed</b> is faster and the accuracy is higher. At the same time, the price is close to that of the hot heap, so the strategy of "high beat low" can be used</p>
Efficiency	0.5s/person ★	2s/person	
Monitoring height	1.5m-1.9m	1.5m-1.9m	
Monitoring temperature distance	0.3m-1.8m ★	0.5m	
Face detection	Support forehead detection ★	Monitoring maximum temperature	
Temperature monitoring accuracy	0.5° C	0.3° C	
Face capacity	100,000 ★	50,000	
Installation	Wall, turnstile, Vertical movement	Wall, turnstile, Vertical movement	