

MinMoe Touch-free Temperature Screening Solutions

MinMoe

AGENDA

MinMoe – Solution Presentation

Real time Demo/POC - MinMoe

Metal Detector – Solution Presentation

Metal Detector Demo/POC

Q&A Session – Live Chat

Hikvision
Access Solutions for
Temperature Screening
MinMoe & Walkthrough

Webinar **MinMoe**
Face Recognition Terminals



Kane
Project Delivery Expert
Hikvision Saudi

Presenter



Hifzul
Project Presales Expert
Hikvision Saudi

Presenter

Livechat with Experts

from Hikvision Saudi Professional Technical Support Team

Mahmoud / Hakim / Huber / Eric / Shihab / Vincent



Scan the QR-Code
to register
the webinar

**Live Presentations &
Proof of Concept!**

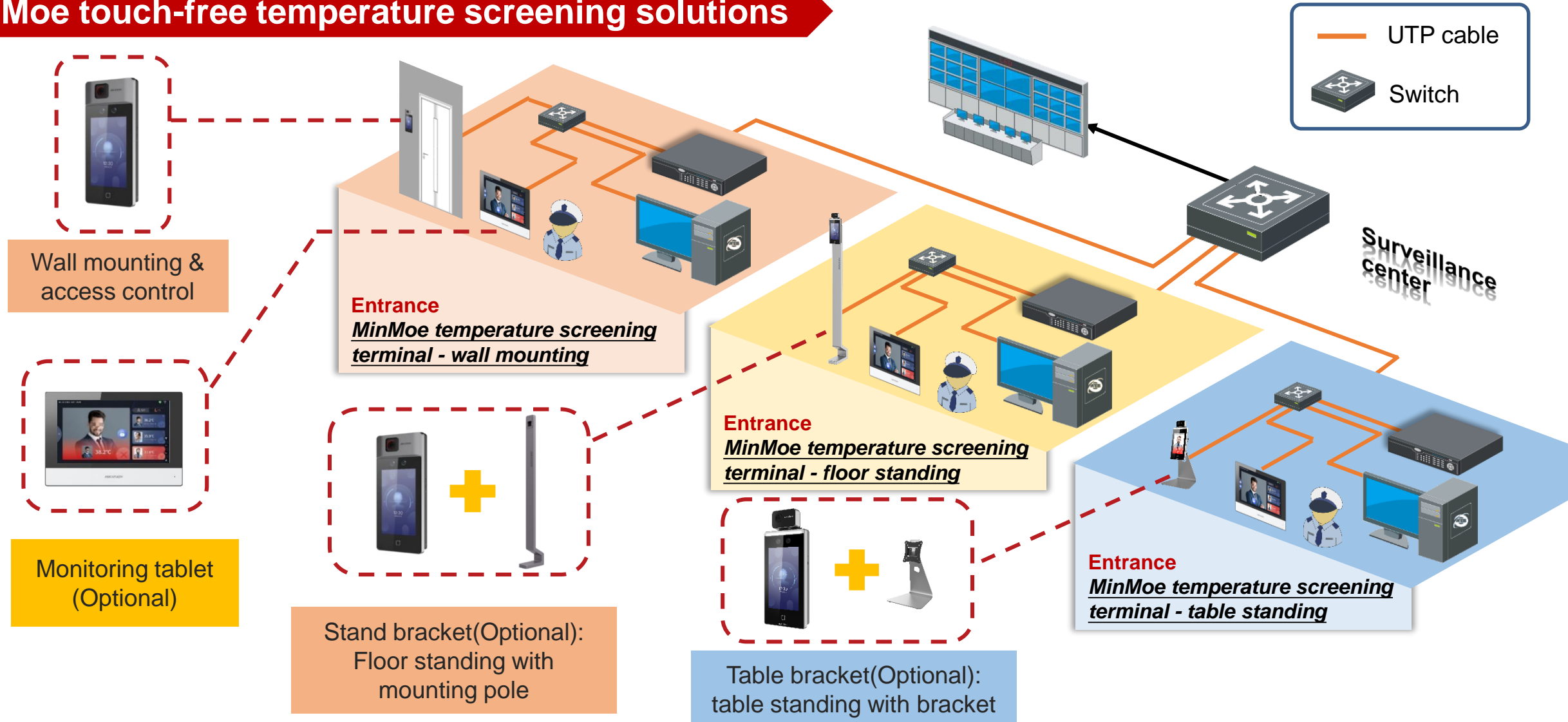


15:00
PM(UTC+3)

8th Jun, 2020

System Topology

MinMoe touch-free temperature screening solutions



Solution Introduction

HIKVISION®

Results display



Thermographic module

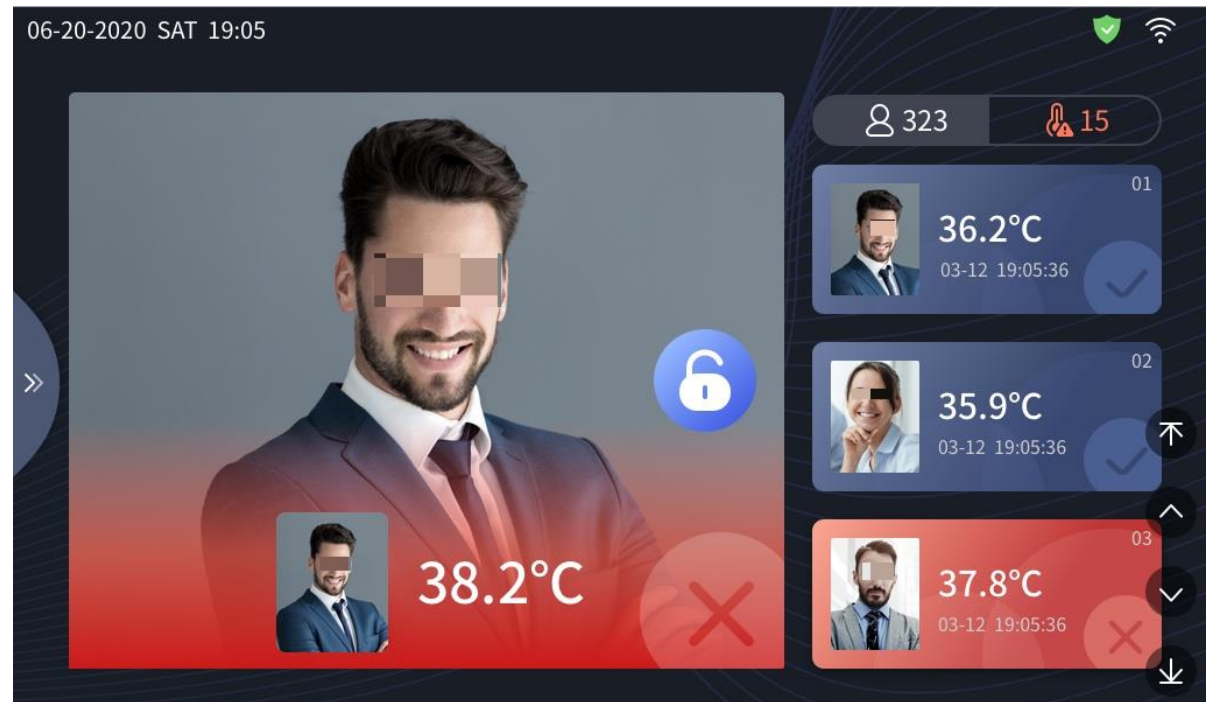
7-inch touch screen



(*Above display images are only for reference)

Solution Introduction

Results display



(*Above display images are only for reference)



Products Introduction

Products Introduction

Products Overview

	DS-K1T671TM-3XF	DS-K1TA70MI-T
		
CPU	High	Medium
Temperature range and accuracy	30-45°C accuracy: 0.1°C, deviation: ±0.5°C (±0.3°C with black body)	30-45°C, accuracy: 0.1°C, deviation: ±0.5°C
Black body	Support	N/A
Authentication Distance	0.3-2.0 m	0.3-1.8 m
Face capacity	50,000 faces	6,000 faces
Card capacity	50,000 M1 cards	6,000 M1 cards
QR code authentication	Support	N/A

Note: Indoor installation is recommended for accuracy of temperature measurement (without wind).

Products Introduction - Highlights

HIKVISION

Temperature screening face recognition terminal

Flexible deployment

Supporting wall mounting,
floor standing with mounting pole,
and desktop mounting with table bracket.



Visualized temperature screening

7-inch touch screen.

Temperature screening with visual results
and audio prompt.



Mask detection

Supporting face mask wearing alert and
forced mask wearing alert.
Temperature screening with mask.



DS-K1T671TM-3XF



Thermographic technology

Measuring the temperature of forehead
by thermographic after face detection.



Touch-free temperature screening

Authentication distance: 0.3-2 m.
Authentication height: 1.4-1.9m.



High accuracy of temperature screening

Temperature range: 30 °C to 45 °C,
Accuracy: 0.1 °C,
Deviation: ±0.5 °C (±0.3 °C with black body).

Products Introduction - Highlights

HIKVISION

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High accuracy of temperature screening

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Deviation: ±0.5 °C.

Products Introduction - Highlights

HIKVISION

Monitoring tablet

Openness

Operating system: Android.



Live view

Live view of door station camera.



Convenience

One-click unlock
One-click calling the center.



DS-KC001

Alarm and counting

Supporting abnormal temperature alarm,
people counting,
abnormal temperature counting.



Visualized temperature screening data

7-inch touch screen.
Real-time temperature display,
abnormal temperature filter.



Data storage

Built-in 32G TF card,
Temperature recording storage,
Max to 100,000 records



Products Introduction – Table Bracket

HIKVISION

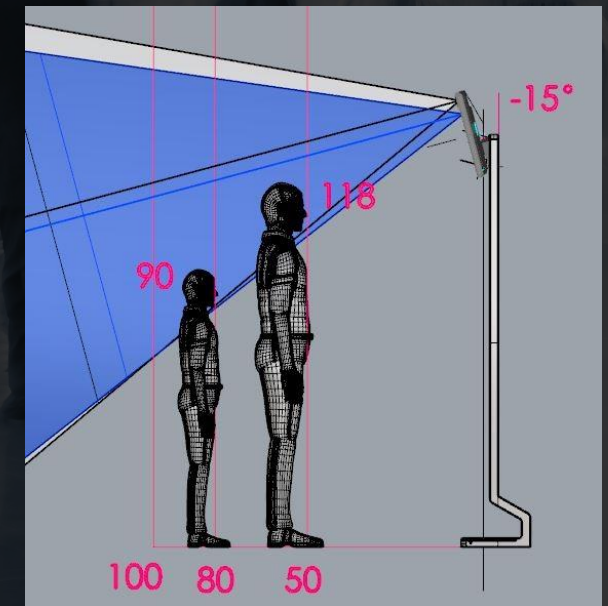
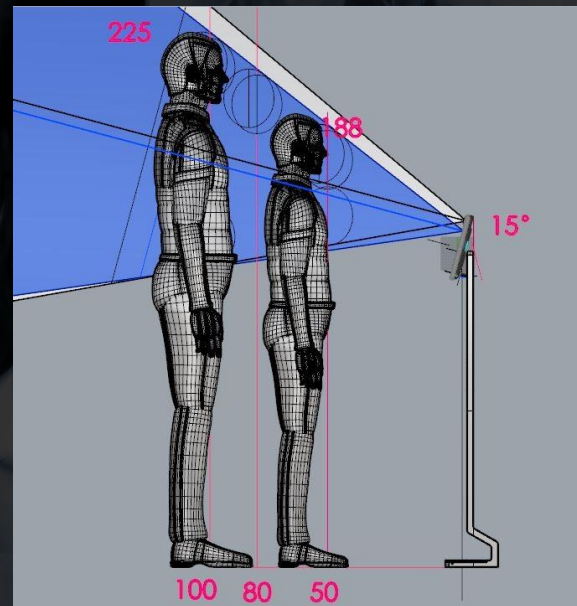
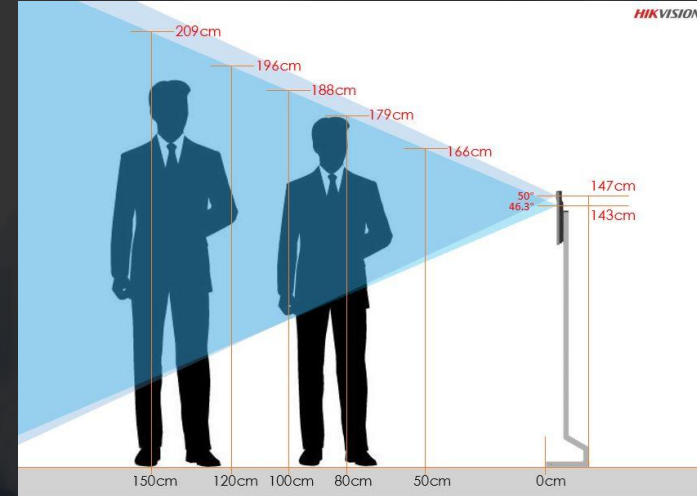


DS-DM0710BL

Products Introduction – Floor Standing Bracket HIKVISION



DS-KAB671-B



Products Introduction – Thermographic Technology

Comparison between thermographic and thermopile technology

Thermopile technology

Summary:

Measuring the maximum temperature value in a fixed small area.

Since the thermopile itself cannot detect faces, it cannot ensure that face temperature is measured, or whether it was the authenticated person.



Thermographic technology


Summary:

Generating thermodynamic diagram by measuring the temperature of all the objects in the scale.

The thermographic module detecting faces by AI algorithm, and extracting the temperature of forehead.

Products Introduction – Thermographic Technology






Comparison between thermographic and thermopile technology

Type	Thermopile	Thermographic technology	Comments
Resolution	32X32	120X160	—
Measurement distance	0.3m~0.5m	0.3m~2.0m(depends on focus of device)	—
Measurement scale	Small, fixed area of the screen	Large scale, any area within the screen	
Adaptability	Asking for high adaptability of personnel	No need deliberate cooperating, except for entering the screen	Thermopile: <ul style="list-style-type: none"> Limited measurement scale, Low accuracy and efficiency of temperature screen.
Efficiency	5 s/person	1 s/person	
Measurement accuracy	Detecting only the highest temperature in the fixed area.	Face detection tracking, guaranteed that the measurement is the temperature of the person's forehead.	Thermographic:  <ul style="list-style-type: none"> Bigger measurement scale, AI algorithm for face detection, High accuracy and efficiency of temperature screen.
Labor cost	Requiring the management personnel to participate in the whole guide, the labor cost is high.	Requires little involvement of managers, the labor cost is low.	

Note: Non-medical device.

Products List



Device Model	SAP Code	Description	Picture
DS-K1T671TM-3XF	302917210	<ul style="list-style-type: none"> • 7-inch LCD touch screen • Thermographic technology, temperature range: 30-45°C, accuracy: ±0.1°C, deviation ±0.5°C (±0.3°C with black body) • Temperature screening of forehead • Authentication Distance: 0.3-2.0 m, height: 1.4-1.9m • Temperature screening with visual results and audio prompt. • Built-in Mifare card reading module; • Max.50,000 faces capacity , Max.50,000 cards; 	
DS-K1TA70MI-T	302917212	<ul style="list-style-type: none"> • 7-inch LCD touch screen • Thermographic technology, temperature range: 30-45°C, accuracy: ±0.1°C, deviation ±0.5°C • Temperature screening of forehead • Authentication Distance: 0.3-1.8 m, height: 1.4-1.9m • Temperature screening with visual results and audio prompt. • Built-in Mifare card reading module; • Max.6,000 faces capacity , Max.6,000 cards; 	
DS-KAB671-B (Optional)	305700583	<ul style="list-style-type: none"> • The mounting pole for DS-K1T671TM-3XF and DS-K1TA70MI-T • Material : SPCC • Weight : 6.7 kg (14.8 lb.) • Dimension (W × H × D) : 98.5 mm × 1342 mm × 225 mm 	
DS-DM0710BL (Optional)	190167872	<ul style="list-style-type: none"> • Table bracket for DS-K1TA70MI-T and DS-K1T671TM-3XF • Dimension (W × H × D) : 192 mm × 195 mm × 353 mm 	
DS-KC001 (Optional)	305302199	<ul style="list-style-type: none"> • 7-inch Touch-Screen Android monitoring tablet; • Display resolution: 1024 * 600; Wi-Fi 802.11b/g/n; • Remote temperature screening & records checking, real time preview; • Centralized data management, max to 100,000 records; • Built-in 32GB TF card; • Abnormal temperature alarm; • Remote access control & video intercom; • Power adaptor included. 	



Application Scenarios

Application Scenarios

HIKVISION

Entrance of factories



Entrance of schools



Entrance of offices



Entrance of retails

Note: Indoor installation is recommended for accuracy of temperature measurement (without wind).

Thanks

See far, go further