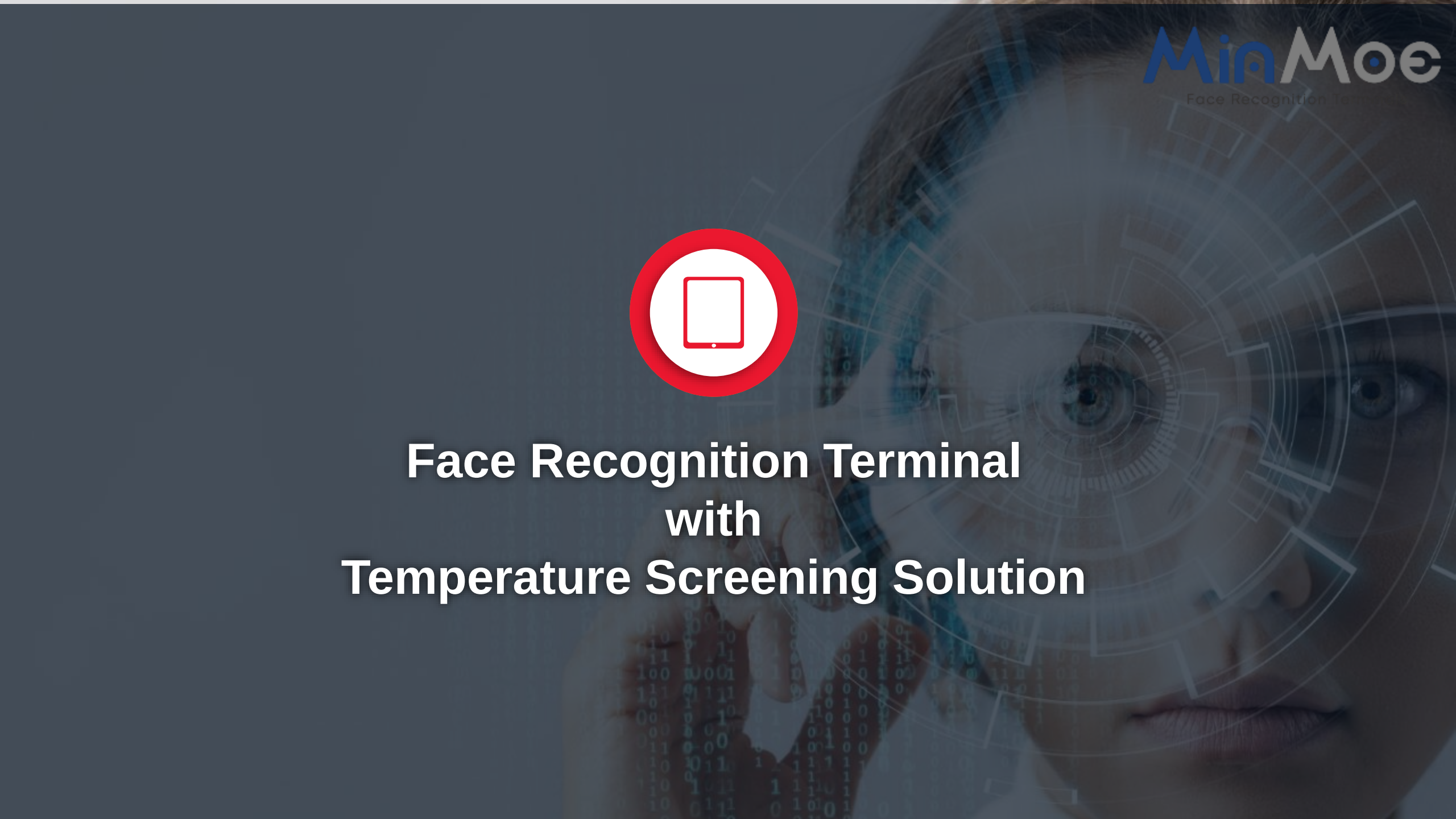
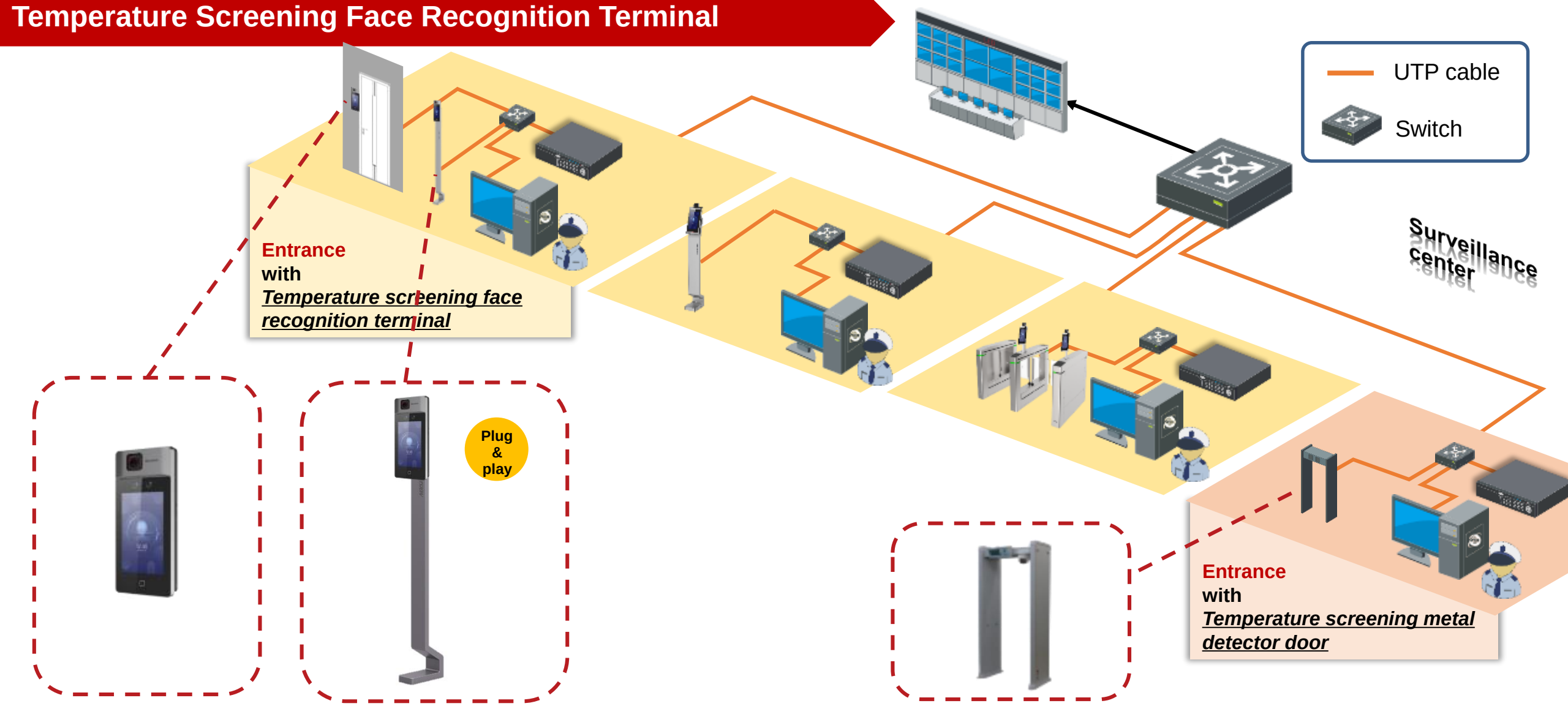

MinMoe
Face Recognition Terminal
with
Temperature Screening Solution

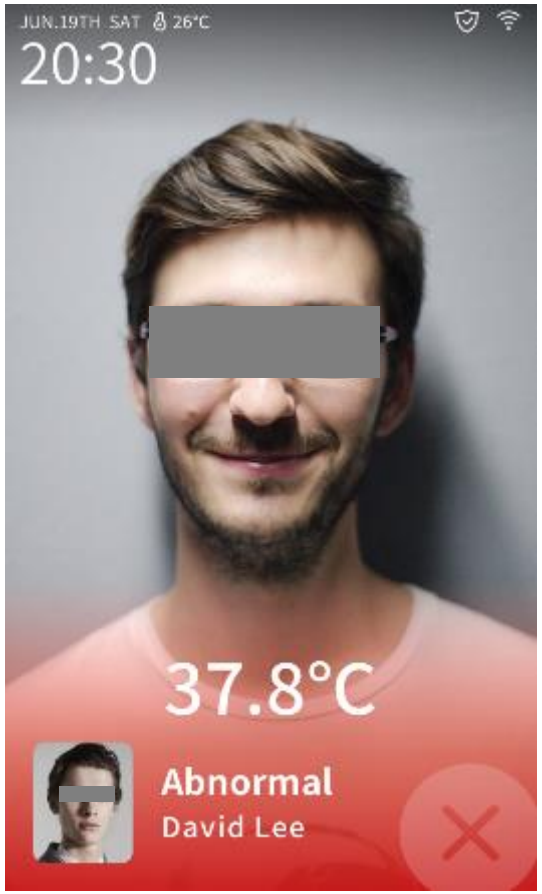
System Topology

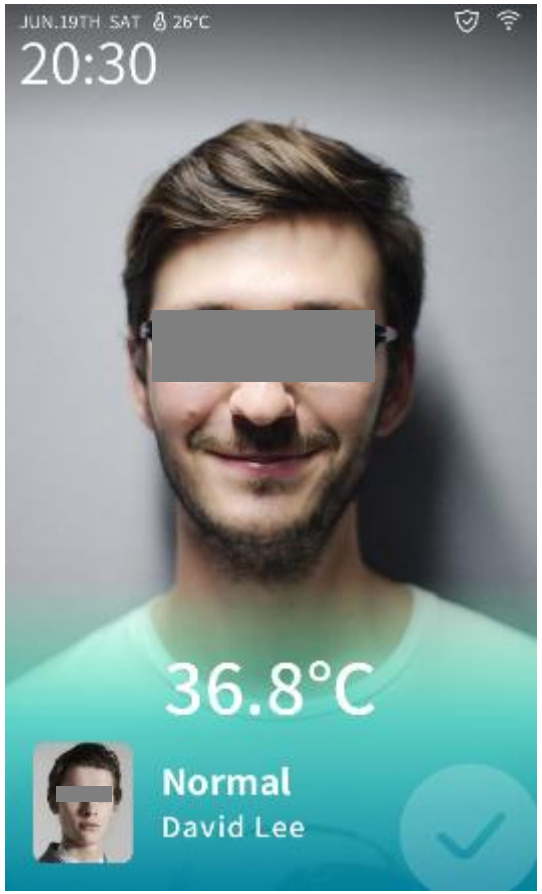
Temperature Screening Face Recognition Terminal



Solution Introduction

Results display





*(*Above display images are only for reference)*

Products Introduction - Highlights

Temperature Screening Face Recognition Terminal

Flexible deployment
Supporting ***wall mounting*** and ***floor standing with mounting pole***.

Enhanced verification performance
Face recognition verification duration ***less than 0.2s***.
Supporting ***face anti-spoofing.***

Mask detection
Supporting ***face mask wearing alert*** and ***forced mask wearing alert.***

DS-K1T607TEF

Various verification methods
Supporting ***fast temperature measurement*** and ***face/card recognition with fever screening***.

Long term fever screen
Authentication distance: 0.3-2 m.

Dedicated for fever screening
Temperature range: ***30℃ to 45℃,***
Temperature accuracy: ***±0.5 ℃***.

Products Introduction

Products Specification

	DS-K1T607TEF
	
LCD screen	7 inch
Face capacity	50,000
Card capacity	50,000 M1 cards
Thermal imaging resolution	120 x 160
Temperature range and accuracy	30-45° C (±0.5 ° C)
Authentication Distance	0.3-2m
Mask detection	Support
Fast temperature measurement	Support
Deployment	Wall mounting/ floor standing with mounting pole

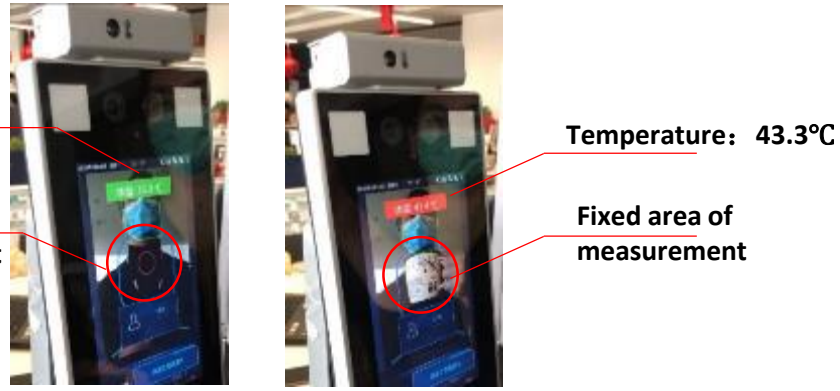
Products Introduction

Products Overview Video

Products Introduction – Thermal Technology

Comparison between thermal imaging and thermopile technology

Thermopile technology



3-rd party thermopile solution

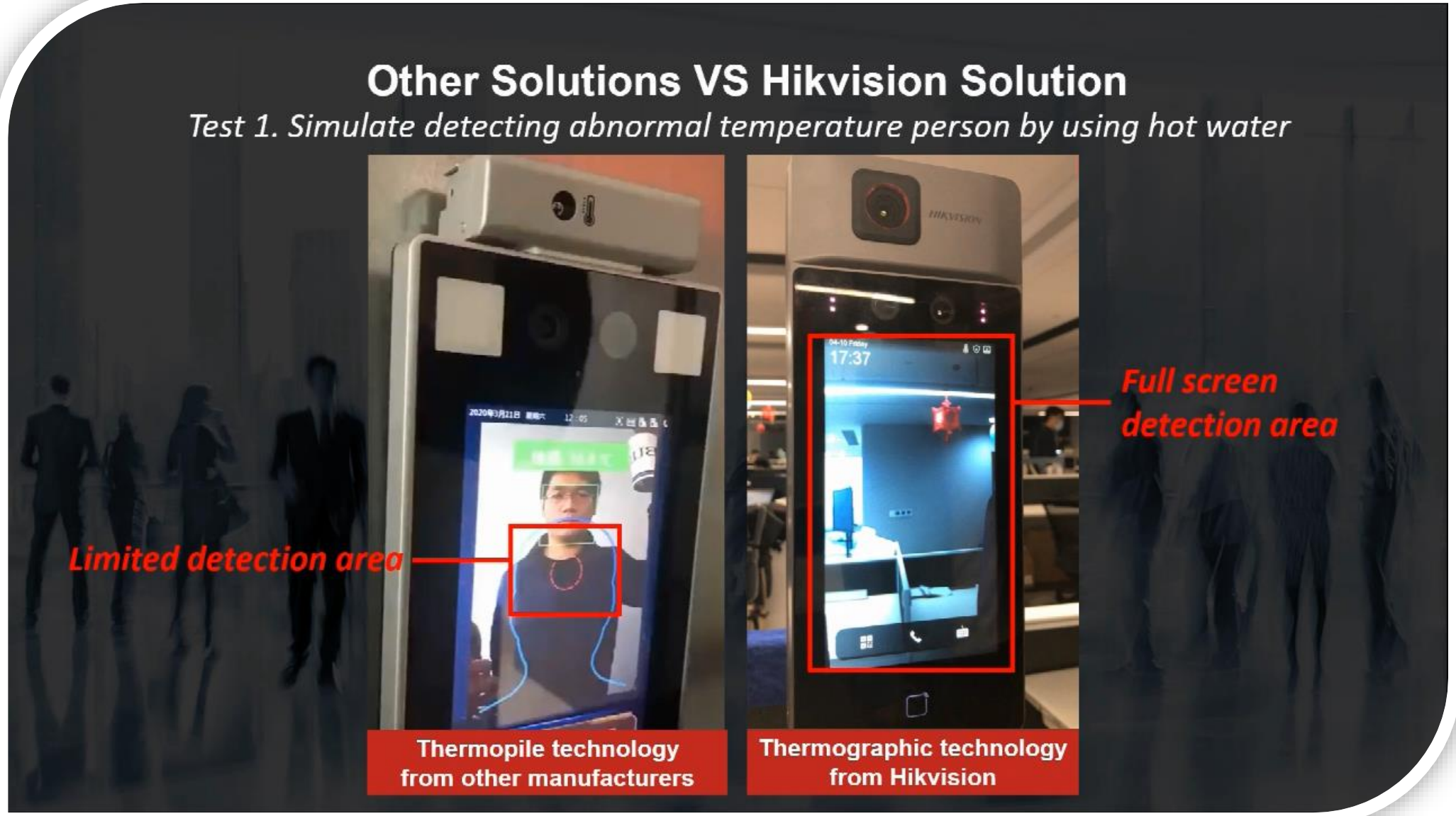
Summary：
Measuring the maximum temperature value in a fixed small area. After face authentication, the maximum temperature value of the fixed area is obtained for display.
Since the thermopile itself cannot detect faces, it cannot ensure that face temperature is measured, or whether it is the authenticated person.

Thermal imaging technology

Hikvision thermal imaging

Summary：
Generating hot try by measuring the temperature of all the objects in the measuring scale, detecting faces by AI algorithm, and extracting the temperature of forehead.
The thermal module matches the forehead temperature and face to ensure the authenticity and validity of temperature measurement.

Other Solution Vs. Hikvision Solution Video



Products Introduction – Thermal Technology

Comparison between thermal imaging and thermopile technology

Type	Thermopile	Thermal imaging	Comments
Resolution	32X32	120X160	——
Measurement distance	0.3m~0.5m	0.3m~2m(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	
Efficiency	5 s/person	1 s/person	
Measurement and face matching	Temperature measurement can not be matched accurately, authenticity and validity of temperature measurement are limited.	Face detection and face forehead temperature accurately match, "one face, one temperature", temperature measurement data is true and effective.	
Measurement error	Temperature measurement area is limited, the measurement subject can not be guaranteed, the temperature will be any part of the person or other objects within the screen.	Face detection tracking, guaranteed that the measurement is the temperature of the person's forehead, and the true body temperature is similar.	
Labor cost	The temperature measurement process requires the management personnel to participate in the whole guide, the labor cost is high.	Temperature measurement process requires little involvement of managers, and labor cost is low.	

Thermopile:

- Limited measurement scale,
- Low accuracy and efficiency of fever screen.

Thermal imaging:

- Bigger measurement scale,
- AI algorithm for face detection,
- High accuracy and efficiency of fever screen.

Products Introduction - Terminal

Device Model	Description	Picture
DS-K1T607TEF	• 7-inch LCD touch screen,2 Mega pixel wide-angle lens • Built-in Mifare card reading module; • Max.50,000 faces capacity , Max.50,000 cards; • Temperature range: 30-45℃, accuracy: ±0.5℃; • Supports 6 attendance status, including check in, check out, break in, break out, overtime in, overtime out • Face Recognition Duration(1:N) ≤0.2s • Authentication Distance: 0.3m ~ 2m	
DS-KAB671-B (Optional)	• The mounting pole for DS-K1T671TM-3XF • Material：SPCC • Weight：6.7 kg (14.8 lb.) • Dimension (W × H × D)：98.5 mm × 1342 mm × 225 mm (3.9" × 52.8" × 8.9")	
HikCentral-ACS-1Door (Optional)	1 Door/Terminal management license (HikCentral-ACS Base, Minimum 4 door Need to purchase, Maximum 128 doors per CMS). Person/Person Group Management , Access Event Monitoring\Retrieve, Access Level Management	
HiKCentral-Attendance-Module (Optional)	HikCentral time and attendance base package - which includes all functions of time and attendance. Shift management and attendance report.	

THANKS