

GOLDEN CROWN CCTV LTD

HIKVISION

TEMPERATURE SCREENING BROCHURE





An approach that incorporates competent technologies, instead of manpower alone, can be a much better choice in many ways. Such an approach is:



Safer

Non-contact measurement to avoid physical contact



Faster

One second per person for skin-surface temperature detection



Smarter

AI detection, greatly reducing false alarms

ADVANTAGES

of Thermal Temperature Screening Technology

- AI technology ensures thermographic cameras only detect human skin-surface temperature to reduce false alarms of other heat sources.
- Compensation algorithm ensures the temperature is compensated with ambient temperature and the distance of the measured target for better accuracy.
- Thermal technology has been applied widely in temperature screening scenarios as it offers more flexibility and efficiency in preliminary screening of elevated skin-surface temperatures.



WORKFLOW

Entering detection area

1

2

Human skin-surface temperature measurement
Fast preliminary temperature screening without contact



Locating potential abnormal temperatures

3

These products are intended for measuring persons temperature purely as an early detection system for the symptom of a high temperature only, further conclusive testing should be carried on anyone who triggers the high temperature warning of this device to determine the exact cause of the reading. This product is not capable of detecting any other symptoms other than a higher than normal temperature.

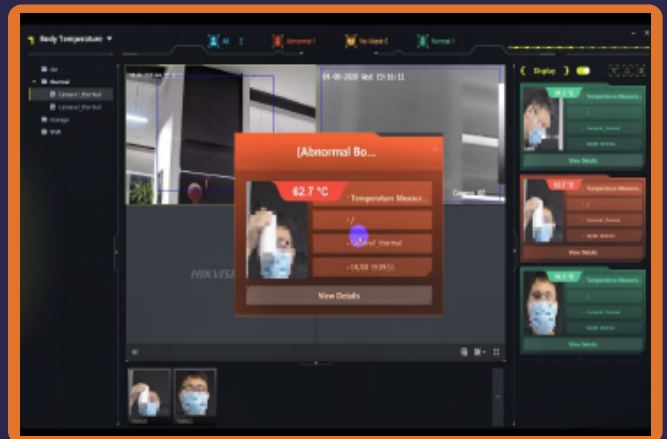
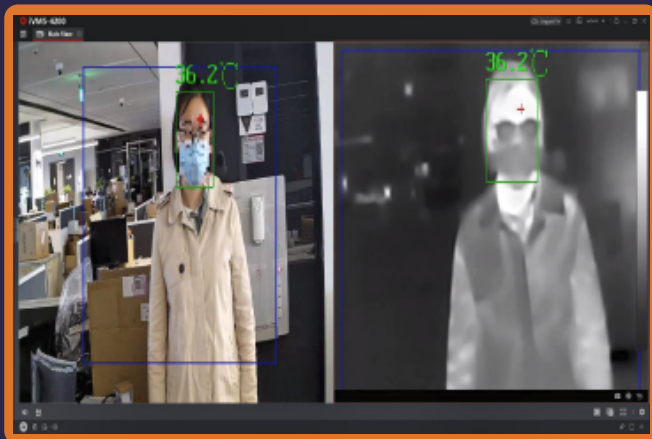
Safer:

Safety measurement distance avoiding unnecessary physical contact.



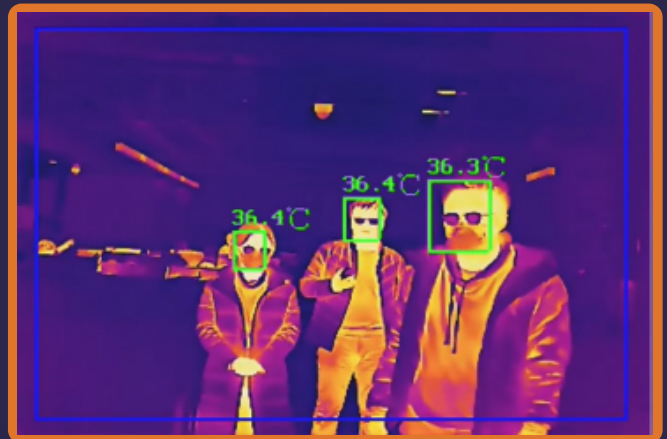
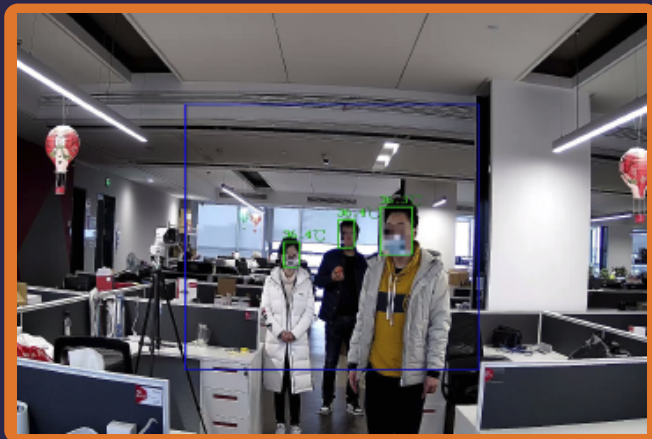
Smarter:

AI detection, greatly reducing false alarms.



Faster:

Supports simultaneous temperature screening of multiple people, greatly enhancing efficiency..



SAFER, FASTER, SMARTER



1s measurement



AI algorithm



Contact-free



Multi-person detection



With advanced detectors and algorithms, Hikvision's Temperature Screening Thermographic Cameras are designed to detect elevated skin-surface temperatures, and can thus be used for rapid and preliminary temperature screening in office buildings, factories, stations, airports and other public places, with accuracy up to $\pm 0.3^{\circ}\text{C}$.

- **One second** to detect skin-surface temperature of a person
- **Multi-person** detection simultaneously
- **Non-contact** measurement to avoid physical contact
- **Immediately alarming** to notify operators
- **AI detection** to reduce false alarms from other heat sources

DS-2TD1217B-3/PA

3.1mm fixed lens thermographic turret body temperature measurement camera



DS-2TD1217B-6/PA

6.2mm fixed lens thermographic turret body temperature measurement camera



DS-2TD2617B-3/PA

3.1mm fixed lens thermographic bullet body temperature measurement camera



DS-2TD2617B-6/PA

6.2mm fixed lens thermographic bullet body temperature measurement camera



DS-2TD2637B-10/P

9.7mm fixed lens thermographic bullet body temperature measurement camera



DS-2TD2636B-13/P

13mm fixed lens thermographic bullet body temperature measurement camera



DS-2TD2636B-15/P

15mm fixed lens thermographic bullet body temperature measurement camera



DS-2TE127-G4A

Blackbody Calibrator
Increases temperature reading accuracy to $\pm 0.3^{\circ}\text{C}$ when used with thermographic camera



OPTIONAL

Installation Parameter Recommended

Model	Distance (between human & camera)	Height	Elevation angle
DS-2TD2637B-10/P	2-7m	1.7-2.5m	$\leq 20^{\circ}$
DS-2TD2636B-13/P	2.5-7m		
DS-2TD2636B-15/P	2.5-9m		

Installation Parameter Recommended

Model	Distance (between human & camera)
DS-2TD1217B-3/PA	0.8-1.5m
DS-2TD2617B-3/PA	
DS-2TD1217B-6/PA	1.5-3m
DS-2TD2617B-6/PA	

DS-2TP31B-3AUF

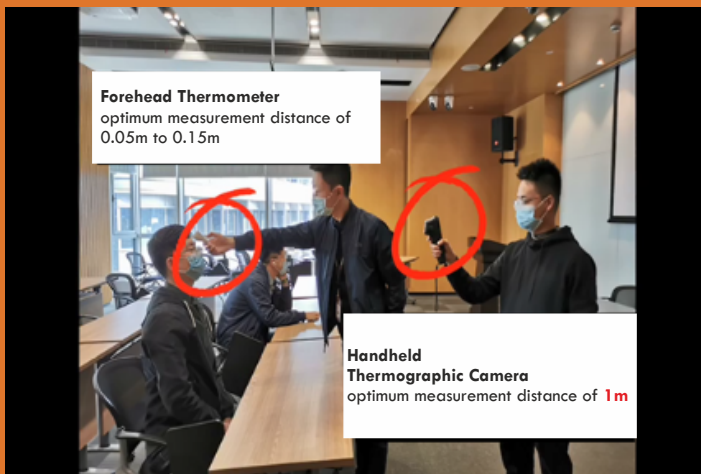
The thermographic handheld camera of DS-2TP31B-3AUF, specially designed to detect elevated skin-surface temperature with high accuracy in real time. It can be widely used for preliminary temperature screening in office buildings, factories, stations, airports and other public places.



- IFOV: 5.48mrad
- Resolution: Thermal: 160 x 120
- Thermographic Screening: Range: 30°C to 45°C
Accuracy: ±0.5°C
- Thermographic Range: 1m
- Battery Operating Time: 8 hours continuous running
- Weight: Approx. less than 350g
- Dimensions: 7.7" x 4.6" x 2.3" 196 x 117 x 59mm
- Display Screen: 2.4" Slim-Bezel LCD

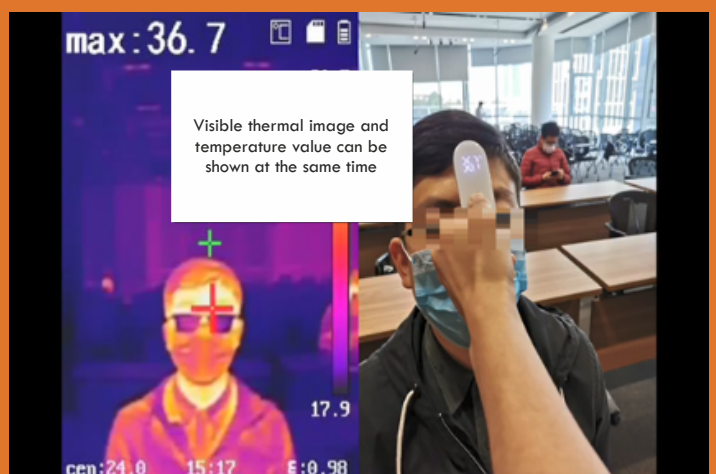
Safer:

Safety measurement distance avoiding unnecessary physical contact.



Reliable:

High accuracy of temperature screening helps to get reliable real-time alarm.



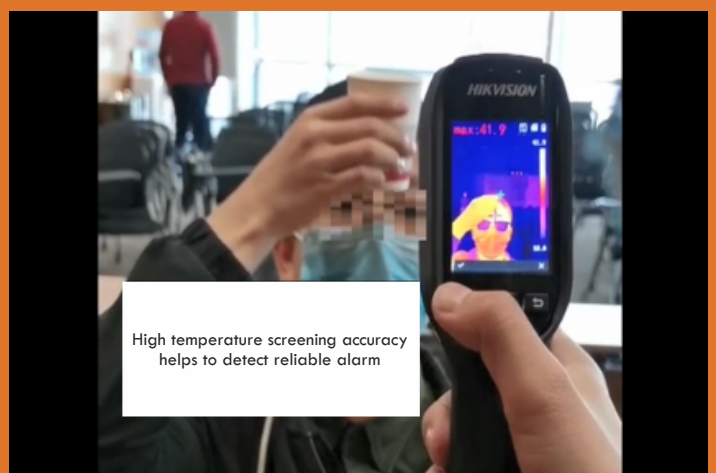
Faster:

Non-stop & one second per person for skin-surface temperature detection.



Visible:

Visible thermal image and temperature value can be shown at the same time.



DS-2TP21B-6AVF/W

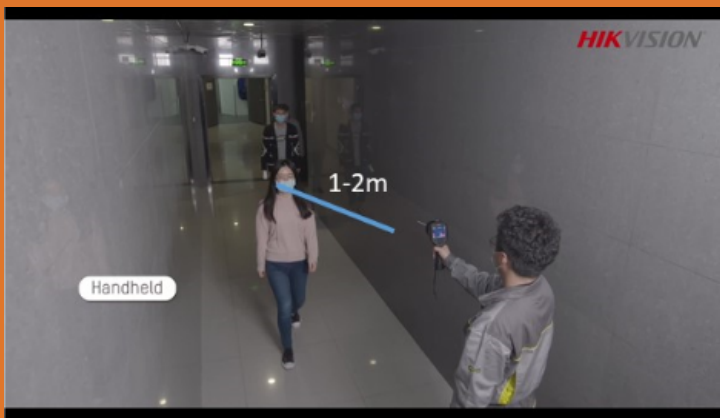
DS-2TP21B-6AVF/W is especially designed to detect elevated skin-surface temperature with high accuracy in real time. It can be widely used for preliminary temperature screening in office buildings, manufacturing factories, metro stations, airports and ect.



- IFOV: 2.74mrad
- Resolution: Thermal: 160 x 120
Optical: Config: 8MP, 5MP, 2MP
- Thermographic Screening: Range: 30°C to 45°C
Accuracy without black-body: $\pm 0.5^{\circ}\text{C}$
Accuracy with black-body: $\pm 0.3^{\circ}\text{C}$
- Battery Operating Time: 5 hours continuous running
- Weight: 653g
- Dimensions: 9.6" x 3.9" x 4.1" 244 x 100 x 104mm
- Display Screen: 3.5" Touch Screen LCD with 640 x 480 resolution

Safe and Efficient:

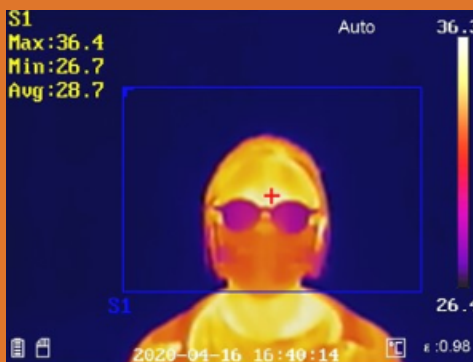
Non-contact measurement to avoid physical contact.
One second per person for skin-surface temperature detection

**Reliable:**

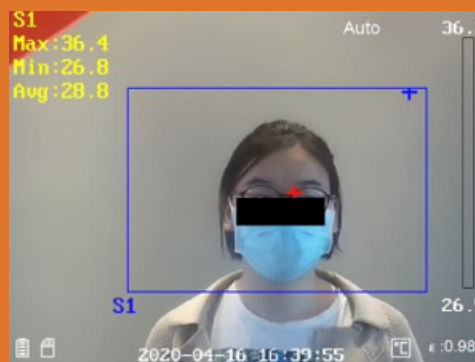
In routine patrol, DS-2TP21B-6AVF/W can realise $\pm 0.5^{\circ}\text{C}$ accuracy of skin-surface temperature measurement.

**Multiple Display Mode Selectable and Thermographic Rules Applicable:**

Drawing a frame rule can avoid false alarm caused by other heat source.



Thermal Image



Optical Image



Bi-spectrum Image Fusion

DS-K1T671TM-3XF



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



High accuracy of temperature screening
Temperature range: 30°C to 45°C,
Temperature accuracy: ±0.5 °C.



Thermographic technology
Measuring the temperature of forehead by thermographic after face detection.



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

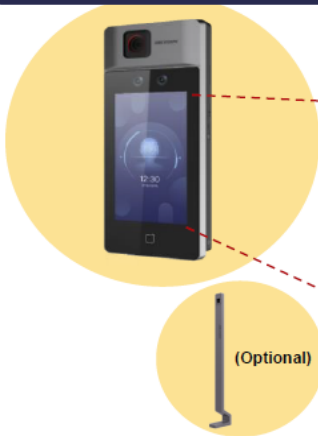


Touch-free temperature screening
Authentication distance: 0.3-2m.
Authentication height: 1.4-1.9m.



Visualized temperature screening
7-inch touch screen.
Temperature screening with visual results and audio prompt.

MinMoe Touch-free Temperature Screening Solutions



- Live view
- Displays temperature results
- Voice reminder

DS-K5604A-3XF/V

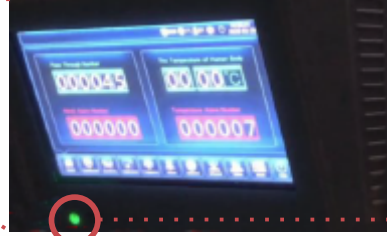
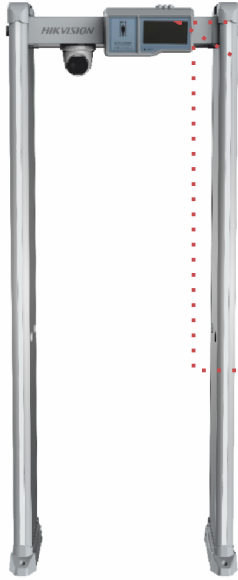
- Rapid deployment - unit & floor stand
- 10.1-inch touch screen
- Mask detection
- Long distance: Authentication distance: 0.3-2 m.



<p>DS-K1T671TM-3XF</p>	<ul style="list-style-type: none"> • 7" LCD touch screen • Thermographic technology, temperature range: 30-48°C accuracy ±0.5°C • Temperature screening of forehead • Authentication distance: 0.5-1.5m. 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 	
<p>DS-DM0701BL Table for DS-K1T671TM-3XF</p>	<p>DS-KAB07-B1 Turnstile for DS-K1T671TM-3XF</p>	<p>DS-KAB671-B Floor stand for DS-K1T671TM-3XF</p>

ISD-SMG31 8LT-F

Real-time people counting and temperature display



Light alarm with buzzer



People counting

Body temperature

Number of metal alarm

Number of people with abnormal temperature

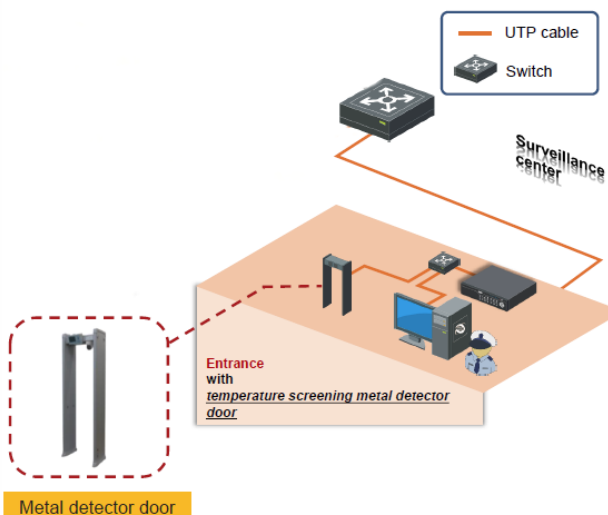
Metal detection alarm and temperature detection alarm



Metal Detection Alarm



Temperature Detection Alarm



Flow Control



Model:
ISD-SMG318LT-F



Model:
DeepinMind NVR



Model:
DS-2TP31B-3AUF



Model:
DS-2TP21B-6AVF/W



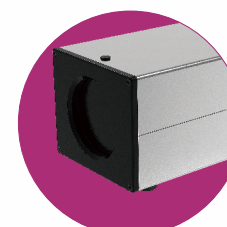
Model:
DS-K1T671TM-3XF



Model:
DS-2TD1217B-*/PA



Model:
DS-2TE127-G4A



Highlights

1. Temperature Screening:

Simultaneous temperature screening for multiple persons (indoor), contact-free

2. Mask Detection:

Detecting whether people wear masks, and timely giving alarms on people without masks

3. Identity Verification & Stranger Alarm:

Confirming identity, even when the face is wearing a mask, and giving alarms on strangers

4. Efficient Search & Report:

Fast video search of target people, such as people with abnormal temperatures, without masks and so on;
Exporting reports with ID, body temperature and mask status

5. Visualized GUI & Voice Broadcast:

Special interface in DeepinMind NVR, visually displaying all kinds of information

Supporting voice broadcast upon mask and temperature status



Temperature Screening Thermographic Camera

Temperature screening, face capture, etc.



DeepinMindNVR

Mask detection, identity verification, stranger alarm, efficient search and report, visualized GUI, voice broadcast, etc.

Models:

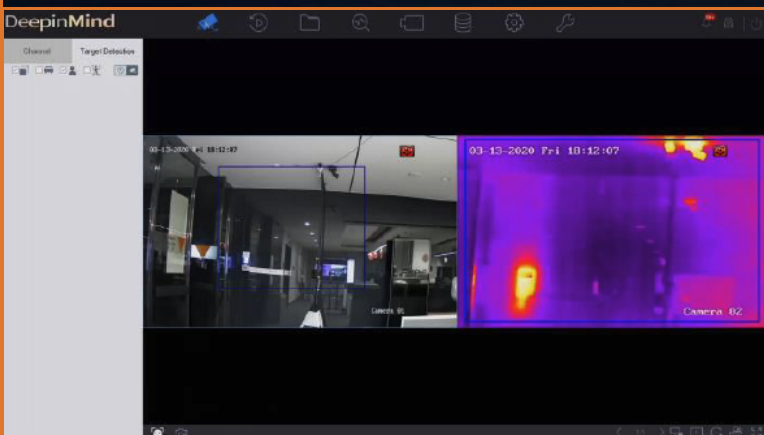
- IDS-77**NXI-I4/16P/X(B)
- IDS-9632NXI-I8/X(B)
- IDS-6708NXI-I/8F(B)(T)

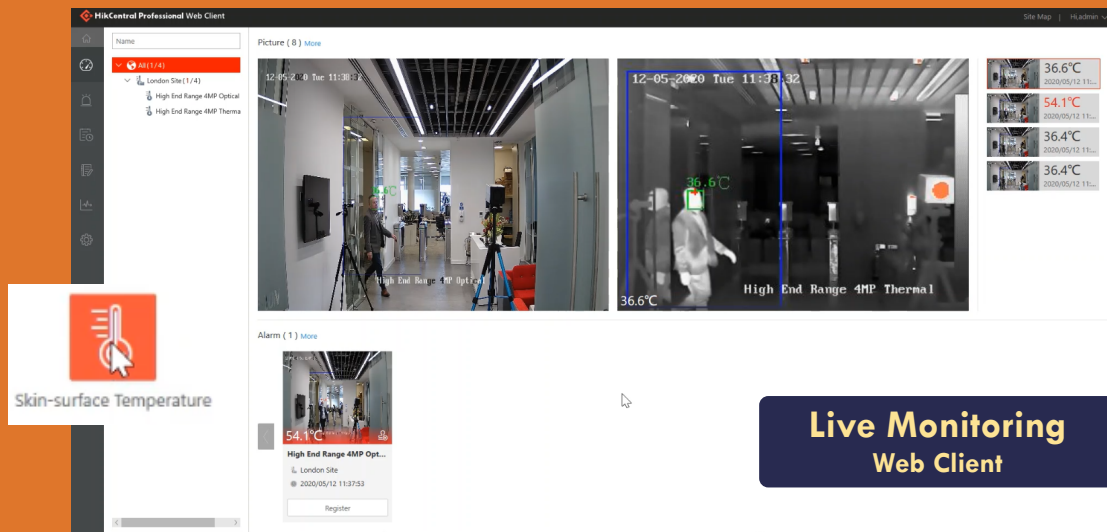
Product Design

Search by: total number, abnormal temperature, no mask, normal temperature

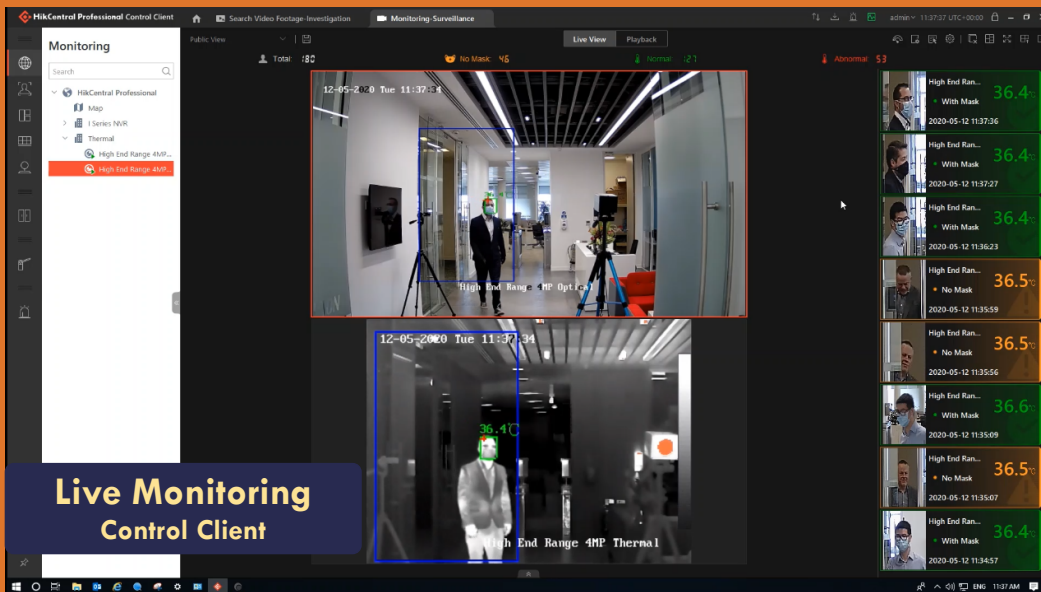
Temperature Status
Facial Recognition Results
Mask Detection

Personnel identification even with mask on



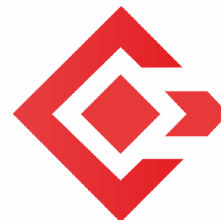


HCP-TS (Temperature screening) platform integrates thermographic cameras, MinMoe, DeepinMind NVR and other hardware products, providing skin-surface temperature screening, mask detection and retention with alarm, access, attendance capabilities. Besides flexible product combinations and convenient installation empowers comprehensive temperature screening solutions for various small, medium or large scale VMS based application scenarios.



1 Fast Deployment Temperature Screening Using Thermographic Camera and Optional I Series NVR

- Camera base (Customised version)



HikCentral Modules

2 MinMoe Access Control Temperature Screening Using DS-K1T671TM-3XF

- Access Control base (Customised version)
- Camera base (Customised version)
- Attendance Module (optional)

3 DeepinMind Temperature Screening Using X DeepinMind NVR and Thermographic Camera

- Camera base (Customised version)
- Facial-reco add-on

1

Thermographic Camera



+

PoE Switch



+

Micro SD Card



+

iVMS 4200



Small Deployment

2

Thermographic Camera



+

I Series NVR



+

PoE Switch



+

Monitor



Small Medium Deployment

3

Thermographic Camera



+

DeepinMind
X NVR* customised firmware
required

+

PoE Switch



+

Monitor



Medium Deployment

4

Thermographic Camera



+

DeepinMind
X NVR* customised firmware
required

+

PoE Switch



+

HikCentral



Large Deployment

Models

Cameras:

- DS-2TD1217B-3/PA
- DS-2TD1217B-6/PA
- DS-2TD2617B-3/PA
- DS-2TD2617B-6/PA
- DS-2TD2636B-10/P
- DS-2TD2636B-13/P
- DS-2TD2636B-15/P

I Series NVRs

- DS-7608NI-I2/8P
- DS-7616NI-I2/16P
- DS-7716NI-I4
- DS-7732NI-I4
- DS-7716NI-I4/16P
- DS-7732NI-I4/24P
- DS-9664NI-I8
- DS-9632NI-I8

DeepinMind NVRs

- IDS-7716NXI-I4/16P/X(B)
- IDS-7732NXI-I4/16P/X(B)
- IDS-9632NXI-I8/X(B)
- IDS-6708NXI-I/8F(B)(T)

PoE Switches

- DS-3E0106HP-E
- DS-3E0310HP-E
- DS-3E0109P-E(C)
- DS-3E0318P-E
- DS-3E0326P-E

Monitors

- DS-D5022FN
- DS-D5024FN
- DS-D5027FN

SD Cards

- 64GB/MSD
- 128GB/MSD

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