

Hikvision Temperature Screening Solution

Flexible Product Choice for a Multitude of Scenarios

Hikvision Temperature Screening Solution, with multiple product types and wide range of applications, is designed for the detection of skin-surface temperatures so as to achieve rapid and safe preliminary screening in public areas with high efficiency in a multitude of scenarios.

- Thermographic Cameras
- MinMoe Terminals
- Metal Detector Door
- DeepinMind NVRs



Pain Points of Conventional Methods

Conventional methods – such as using an ear thermometer or mercury thermometer – have obvious deficiencies in detecting people with abnormal temperature in public places:

Close Contact, High Risk	Close contact among the users leads to potential risks.
High Cost, Low Efficiency	Increased manpower required, but 1-by-1 inspection is inefficient.
Lack of Intelligent Analysis	Manual registration is required, which may lead to human error and not so timely feedback.

We Offer a Better Approach

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

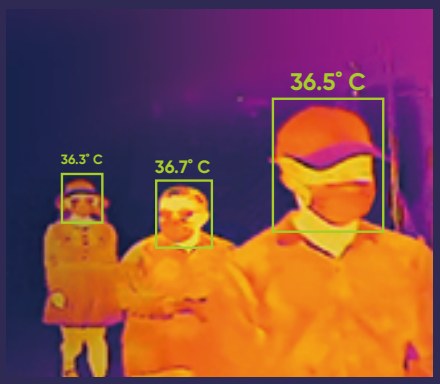
One second per person for skin-surface temperature detection

Smarter

AI detection, greatly reducing false alarms

Advantages of Thermal 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

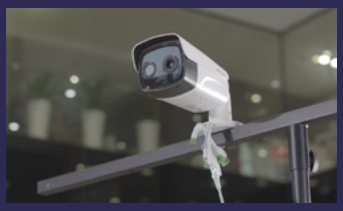
1. Entering detection area
2. Human skin-surface temperature measurement
   Fast preliminary temperature screening without contact
3. Locating potential abnormal temperatures
4. Second check with mercury or ear thermometers

Solution Overview

OPERATION TIPS
· Install the devices in a windless indoor environment
· Set up a specific temperature measurement zone
· Double-check with a thermometer upon detection of elevated skin-surface temperatures

Temperature Screening with Fast Deployment

Thermographic Cameras
Visualized bi-spectrum live view





Thermographic Bullet/Turret Camera

Wireless Devices
Easy connection, cable free





Thermographic Handheld Camera

Metal Detector Doors
Real-time sound and light alarm



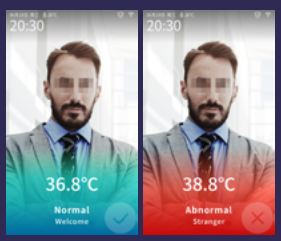


Metal Detector Door

Flexible product choice for temperature screening of building entrances, elevator halls, airport security checks, etc.

Temperature Screening with Access Control

Touch-Free, Access is Easier but Safer



Door Control
Wall-mounted
to control the door

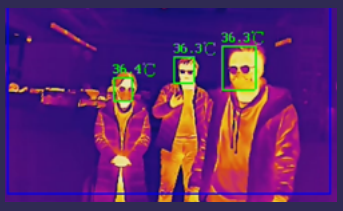




Touch-free access control with temperature measurement

Group Temperature Screening

Group Screening with High Efficiency





Thermographic Bullet Camera

Supports simultaneous temperature screening of multiple people, greatly enhancing efficiency

Temperature Screening on Patrol

Anytime, Anywhere, Just One Click





Thermographic Handheld Camera

Supports preliminary on-spot temperature screening without disturbing a person

Temperature Screening & Mask Detection

Intuitive Demonstration





Thermographic Camera & DeepinMind NVR

The special interface of DeepinMind NVR visually displaying temperature and mask status

Product Showcase

Thermographic Cameras

Thermographic Bullet Camera

DS-2TD2617B-3/6PA



- Thermal resolution: 160 × 120
- Thermal lens: 3 mm / 6 mm
- Optical: 2688 × 1520
- Optical lens: 4 mm / 8 mm
- Bi-spectrum image fusion
- Accuracy: ±0.5°C (±0.3°C with blackbody)
- Measurement range: 30-45°C
- Supports audio alarms
- Working temperature: 10-35°C
- AI human detection, false alarms reduction
- Simultaneous temperature screening for multiple people (Up to 30 people)

Thermographic Turret Camera

DS-2TD1217B-3/6PA



- Thermal resolution: 160 × 120
- Thermal lens: 3 mm / 6 mm
- Optical: 2688 × 1520
- Optical lens: 4 mm / 8 mm
- Bi-spectrum image fusion
- Accuracy: ±0.5°C (±0.3°C with blackbody)
- Measurement range: 30-45°C
- Supports audio alarms
- Working temperature: 10-35°C
- AI human detection, false alarms reduction
- Simultaneous temperature screening for multiple people (Up to 30 people)

Thermographic Bullet Camera

DS-2TD2636B-15/P
DS-2TD2636B-13/P
DS-2TD2637B-10/P



- Thermal resolution: 384 × 288
- Thermal lens: 15 mm / 13 mm / 10 mm
- Optical: 2688 × 1520
- Optical lens: 6 mm / 6 mm / 4 mm
- Accuracy: ±0.5°C (±0.3°C with blackbody)
- Measurement range: 30-45°C
- Working temperature: 10-35°C
- AI human detection, false alarms reduction
- Simultaneous temperature screening for multiple people (Up to 30 people)

Thermographic Handheld Camera

DS-2TP21B-6AVF/W



- Thermal resolution: 160 × 120
- Optical resolution: 640 × 480
- Measurement range: 30-45°C
- Touch screen
- Accuracy: ±0.5°C
- Bi-spectrum image fusion
- Supports Wi-Fi
- Supports audio alarms
- Automatic screenshots & uploading

Blackbody Calibrator

DS-2TE127-G4A



- Temperature resolution: 0.1°C
- Accuracy: ±0.1°C
- Temperature stability: ±0.1°C/h
- Effective emissivity: 0.97±0.02
- Operating temperature: 0-30°C

*Hikvision's Temperature Screening Thermographic Cameras are designed for the detection of skin-surface temperatures so as to achieve rapid preliminary screening in public areas. Actual core body temperatures should be further confirmed using clinical measurement devices. Under any circumstances, it is highly recommended to use Hikvision's Thermographic Cameras in accordance with local laws and regulations.

MinMoe Terminal

MinMoe Wall-Mounting Touch-free Temperature Screening Terminal

DS-K1T671TM-3XF



- LCD touch screen
- Thermographic technology, temperature range: 30-45°C , accuracy: ±0.5°C
- Temperature screening of forehead
- Authentification distance: 0.5 m – 1.5 m, height: 1.2 m – 1.9 m
- Temperature screening with visional results and audio prompt

Monitoring Tablet

DS-KC001



- 7" Touch-Screen Android 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
- Abnormal temperature alarm
- Remote access control & video intercom

Metal Detector Door

ISD-SMG318LT-F



- 18 independent detection zones
- 7-inch LCD touch screen
- Thermal resolution: 160 × 120
- Temperature measurement accuracy: ±0.5°C
- Temperature measurement range: 30-45°C
- Bi-spectrum image fusion
- In accordance with the international safety standard, friendly to pregnant woman, people with cardiac pacemaker, etc.

DeepinMind NVRs

iDS-9616(/32)NXI-I8/X(B)(T)



- Up to 16 channels of face picture comparison
- 32-library capacity with up to 100,000 face pictures in total

PoE Switches

DS-3E0105P-E(B)



DS-3E0109P-E(C)



- L2, Unmanaged, 10/100M RJ45 PoE ports, 1 10/100M RJ45 uplink port, 802.3af/at, PoE power budget. 300 m long distance transmission, 6 KV surge protection

Monitors



DS-D5019QE-B
DS-D5022QE-B

DS-D5032QE (31.5")

DS-D5043QE (43")

- 1080p, HDMI/VGA input, view angle: 178°/178°, plastic casing, VESA, base bracket included, 24/7 operation



DS-D5024FC (23.8")

DS-5032FC-A (31.5")

DS-D5043UC (43")

- 1080p, HDMI/VGA input, with built-in speaker, plastic casing, VESA, base bracket included, 24/7 operation

HikCentral Professional

- Flexible, scalable, reliable and powerful central surveillance system
- Supports live view, play back, access control, alarm management, personnel identification, temperature data storage, abnormal temperature trend analysis, etc.
- The customized HikCentral Professional version supports thermographic products, DeepinMind NVRs and face recognition terminals