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
DeepinMind NVRs
We Offer a Better Approach

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.

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

Temperature Screening with Fast Deployment

**Thermographic Cameras**
Visualized bi-spectrum live view

**Wireless Devices**
Easy connection, cable free

**Face Recognition Terminal**
Fast installation, shelf in set

Thermographic Bullet/Turret Camera
Flexible product choice for temperature screening of building entrances, elevator halls, airport security checks, etc.

Thermographic Handheld Camera

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**

**Temperature Screening on Patrol**
Anytime, Anywhere, Just One Click

**Temperature Screening & Mask Detection**
Intuitive Demonstration

Thermographic Bullet Camera
Supports simultaneous temperature screening of multiple people, greatly enhancing efficiency

Thermographic Handheld Camera
Supports preliminary on-spot temperature screening without disturbing a person

Thermographic Camera & DeepinMind NVR
The special interface of DeepinMind NVR visually displaying temperature and mask status
## Thermographic Cameras

### Thermographic Bullet Camera
**DS-2TD2817B-3/6PA**
- Thermal resolution: 160 × 120
- Thermal lens: 3 mm / 6 mm
- Optical: 2688 × 1520
- 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-2TD2117B-3/6PA**
- Thermal resolution: 160 × 120
- Thermal lens: 3 mm / 6 mm
- Optical: 2688 × 1520
- 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 Handheld Camera
**DS-2TP21B-6AVF/W**
- Thermal resolution: 160 × 120
- Optical resolution: 640 × 480
- Thermal resolution: 160 × 120
- Measurement range: 30-45°C
- Accuracy: ±0.5°C
- Touch screen
- Optical lens: 4 mm / 8 mm
- Optical: 2688 × 1520
- Thermal lens: 3 mm / 6 mm
- Thermal resolution: 160 × 120
- Measurement range: 30-45°C
- Accuracy: ±0.5°C
- Bi-spectrum image fusion
- Supports audio alarms
- Operating temperature: 0-30°C

### Blackbody Calibrator
**DS-2YE127-64A**
- Temperature resolution: 0.1°C
- Accuracy: ±0.1°C
- Effective emissivity: 0.97±0.02
- Operating temperature: 0-30°C

### DeepinMind NVRs
- **IDS-7718/32NXI-J4/118P/XI(B)(T)**
  - Up to 16 channels of face picture comparison
  - 32-library capacity with up to 100,000 face pictures in total

- **IDS-9618/32NXI-I8/XI(B)(T)**

### Monitors
- **DS-D5024FN**
  - 1080p, HDMI/VGA input, view angle: 178°/178°, plastic casing, VESA, base bracket included, 24/7 operation
- **DS-D5032OE**
  - 1080p, HDMI/VGA input, view angle: 178°/178°, plastic casing, VESA, base bracket included, 24/7 operation
- **DS-D5043QE**
  - 1080p, HDMI/VGA input, view angle: 178°/178°, plastic casing, VESA, base bracket included, 24/7 operation

### PoE Switches
- **DS-3E0105P-E(B)**
  - L2, Unmanaged, 10/100M RJ45 PoE ports, 1 10/100M RJ45 uplink port, 802.3af/at, 30W power budget, 300 m long distance transmission, 6KV surge protection
- **DS-3E0109P-E(C)**

### Metal Detector Door
- **DS-K5604A-3XF/V**
  - 10” Touch-Screen Android Tablet
  - Display resolution: 1024 x 600
  - Wi-Fi: 802.11b/g/n
  - Temperature measuring range: 30 °C to 45 °C
  - Accuracy: ± 0.5 °C without black body calibration
  - Operating temperature range: -10°C to 50°C
  - Recognition distance: 0.3 to 2m
  - Fast temperature measurement mode: detects face and takes skin-surface temperature without identity authentication
  - Multiple authentication modes with temperature measure are available

### HikCentral Professional
- Flexible, scalable, reliable and powerful central surveillance system
- Supports live view, playback, 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

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