

# Hikvision Temperature Screening

Diverse Solutions for a Wide Range of Applications

97.7° F



Easy-to-operate Hikvision temperature screening solutions provide advanced detection of elevated skin-surface temperature and are available in multiple housing types. Screening takes less than one second, is highly accurate, and offers contactless measurement from a distance.

Temperature Screening Integrated With:

- Handheld Cameras
- Surveillance Cameras
- Security Metal Detector
- Access Control Terminal
- NVR Workstations
- Mobile and Desktop Applications



Toll-Free: +1 866-200-6690 (U.S. and Canada) | Connect with us:      | [hikvision.com](http://hikvision.com)

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\*Disclaimer: Hikvision Highly Accurate Thermographic Cameras and Terminals (HAT Cameras and Terminals) are not FDA-cleared or approved thermal imaging devices intended to measure human skin-surface temperature. The HAT Cameras and Terminals are not intended for use in diagnosis of disease or other conditions, or in the cure, mitigation, treatment, or prevention of disease, and shall not be solely or primarily used as an effective diagnostic device for COVID-19. Elevated body temperature should be confirmed with secondary evaluation methods (e.g., an NCIT or clinical grade contact thermometer). Users, through their experience with the Hikvision HAT Cameras and Terminals in the particular environment of use, should determine the significance of any fever or elevated temperature based on the skin telethermographic temperature measurement. Visible thermal patterns are only intended for locating the points from which to extract the thermal measurement. To ensure the accuracy of the human skin-surface temperature measurement, the technology shall be used to measure only one subject's temperature at a time and shall not be used to measure multiple individuals' temperatures simultaneously.

## Pain Points of Conventional Methods

Conventional methods that do not use preliminary screening have several disadvantages:



### Close Contact, High Risk

Close contact with individuals leads to potential risks



### High Cost, Low Efficiency

Increased staff required, and one-to-one inspection is inefficient and costly



### Added Expenses

Continual replacement of personal protective equipment (PPE) is required

## We Offer a Better Approach

An approach that incorporates competent technologies, offers many advantages:



### Safer

Non-contact measurement to avoid physical contact



### Faster

One second per person for skin-surface temperature detection



### Smarter

Smart detection, greatly reducing false alarms\*  
\*Smart detection is not available on handheld models.

## Advantages of Thermal Technology

- Smart detection ensures thermographic cameras only detect human skin-surface temperature to reduce false alarms caused by other heat sources such as a cup of coffee.
- Advanced algorithms accurately calculate the forehead skin-surface temperature using face detection and many parameters including infrared radiation, ambient temperature and the distance of the measured target.
- Thermal technology is ideal for temperature screening in a variety of applications, offering flexibility and efficiency in preliminary screening of elevated skin-surface temperatures.



## Elevated Skin-Surface Temperature Detection Process



Enter detection area



Camera immediately provides preliminary temperature measurement without contact



Qualified personnel evaluates elevated temperature and performs secondary check\*

*\*Secondary check should be with a FDA-approved medical device.*

# Solution Overview

## Operation Tips

- Install the devices in a stable indoor environment without wind or direct sunlight
- Set up a specific temperature measurement zone
- If abnormal skin-surface temperature is detected, qualified personnel using approved medical devices should perform a secondary check
- Please ensure operation meets local privacy laws and regulations

## Temperature Screening with Fast Deployment

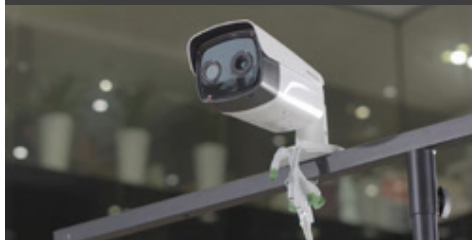
### Handheld Cameras



Ultimate portability with temperature alarm functions



### Surveillance Cameras



Bi-spectrum cameras with advanced features for temporary and permanent installations



### Security Metal Detector



Real-time sound and light alarms for temperature measurement and metal detection

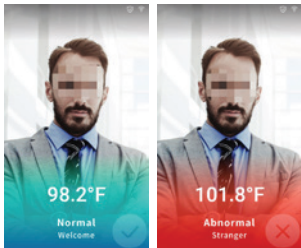
*\* Includes thermographic turret camera*



*Flexible product choice for a variety of temperature screening applications.*

## Temperature Screening with Access Control

### Easier, Safer Touch-Free Access



Touch-free access control terminal with temperature measurement, mask detection and video intercom

Mount on the wall, floor or desk



Hikvision tablet provides remote monitoring and communication with people at the screening terminal

Mount on the wall or included desktop stand

## Remote Management Options

### Economical Management Options



Manage the Cameras From a Safe Distance

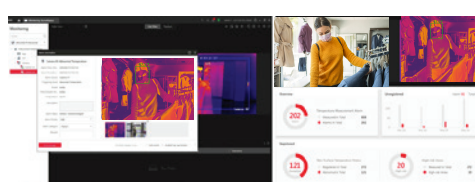
#### Hik-Thermal

- Free mobile app for professional handheld camera

#### Hik-Connect

- Free mobile app for all IP cameras and recorders
- Free desktop app for all IP cameras and recorders
- I-Series NVRs
- Network Video Recorders for all IP cameras

### HikCentral Professional



Central Management Software

HikCentral Professional provides a powerful, flexible and efficient central management system for all your cameras across one to many locations using a server-client architecture. The client interface provides live monitoring, instant alarm popups, temperature measurement alarm reports, quick record-searching and exporting. The specialized HikCentral Professional version supports thermographic surveillance cameras and access control terminal, and the DeepinMind NVR.

### Intelligent NVR Workstation



DeepinMind NVR for Surveillance Cameras

The specialized interface of the DeepinMind NVR displays temperature, mask status and identity of registered persons with voice alerts. The NVR uses its deep-learning-based algorithm to detect face masks and perform face matching even while the subjects wear masks. The NVR can also alert to unknown visitors.

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# Product Showcase

## Thermographic Cameras

### Short-Range Turret Camera

DS-2TD1217B-3/PA



- Effective range: 2.6 to 4.9 ft
- Thermal resolution: 160 × 120
- Thermal lens/FOV: 3 mm/50°×37.2°
- Optical: 4 MP (2688 × 1520)
- Optical lens/FOV: 4 mm/84.0°×44.8°
- Bi-spectrum thermal-optical image fusion
- Accuracy: ±0.9° F (±0.5° F with blackbody)
- Detects and alerts absence of face mask
- Voice alarms with built-in speaker
- Smart detection and measurement of foreheads speeds up screening and reduces false alarms

### Mid-Range Bullet Camera

DS-2TD2617B-6/PA



- Effective range: 4.9 to 9.8 ft
- Thermal resolution: 160 × 120
- Thermal lens/FOV: 6 mm/25°×18.7°
- Optical: 4 MP (2688 × 1520)
- Optical lens/FOV: 8 mm/39.4°×22.1°
- Bi-spectrum thermal-optical image fusion
- Accuracy: ±0.9° F (±0.5° F with blackbody)
- Detects and alerts absence of face mask
- Voice alarms with built-in speaker
- Smart detection and measurement of foreheads speeds up screening and reduces false alarms

### Long-Range Bullet Camera

DS-2TD2636B-13/P



- Effective range: 8.2 to 23 ft
- Thermal resolution: 384 × 288
- Thermal lens/FOV: 13 mm/28.8°×21.6°
- Optical: 4 MP (2688 × 1520)
- Optical lens/FOV: 6 mm/51.7°×28.0°
- Bi-spectrum thermal-optical image fusion
- Accuracy: ±0.9° F (±0.5° F with blackbody)
- Detects and alerts absence of face mask
- Smart detection and measurement of foreheads speeds up screening and reduces false alarms

### Professional Handheld Camera

DS-2TP21B-6AVF/W



- Effective range: 3.3 to 6.6 ft
- Thermal resolution: 160 × 120
- Optical resolution: 8 MP
- Measurement range: 86-113° F
- Accuracy: ±0.9° F
- 3.5 in LCD touchscreen
- Bi-spectrum thermal-optical image fusion
- Manageable by apps via Wi-Fi connection
- Audible and visual temperature alarms
- Supports recording video and screenshots

### Value Handheld Camera

DS-2TP31B-3AUF



- Effective range: 3.3 ft
- Thermal resolution: 160 × 120
- Measurement range: 86-113° F
- Accuracy: ±0.9° F
- 2.4 in LCD screen
- Visual temperature alarm
- Standalone operation

### Blackbody Calibration Tool

DS-2TE127-G4A



- Temperature reference for turret and bullet cameras
- Temperature resolution: 0.18° F (0.1° C)
- Accuracy: ±0.18° F (0.1° C)
- Temperature stability: ±0.18° F/h (0.1° C/h)
- Effective emissivity: 0.97±0.02
- Operating temperature: 32–86° F (0–30° C)

## Access Control Terminal

### Temperature Screening Access Control Terminal

DS-K1T671TM-3XF



- Effective range: 0.98 to 6.5 ft
- Thermal resolution: 160 × 120
- Optical resolution: 2 MP dual lens
- Measurement range: 86-113° F
- Accuracy: ±0.9° F
- Temperature, mask and identity screening with on-screen results and voice alerts
- Automatically controls door access if needed
- 7 in LCD touchscreen
- Mounts on the wall, floor stand, or desk stand

## Monitoring Tablet

### Live View of Screening Results and Intercom

DS-KC001



- Remote temperature screening and records checking, real-time preview
- Abnormal temperature alarm
- Remote access control and video intercom
- 7 in touchscreen Android tablet
- Display resolution: 1024 × 600
- Wi-Fi 802.11b/g/n

## Security Metal Detector

### Temperature Screening and Metal Detection in One

ISD-SMG318LT-F



- 18 independent metal detection zones with LEDs locate metal objects
- 7 in LCD touchscreen displays results
- Thermal resolution: 160 × 120
- Measurement range: 86-113° F
- Accuracy: ±0.9° F (±0.5° F with blackbody)
- Bi-spectrum image fusion
- In accordance with the international safety standard, friendly to pregnant woman, people with cardiac pacemaker, etc.

## DeepinMind NVR

iDS-9632NXI-I8/X(B)



- Detects absence of face mask
- Detects known and unknown individuals with up to 16 channels of face picture comparison
- Special UI screen displays temperature, mask and identity check results with audio and statistics
- Supports 32 channels, up to 96 TB, and RAID

## Professional I-Series NVRs

DS-9616NI-I8

DS-9632NI-I8

DS-9664NI-I8



- Display and record surveillance video with temperature information
- Receive temperature alarms from the cameras
- 16, 32 and 64 channel models available
- Support up to 96 TB and multiple RAID levels
- Support N+1 hot spare NVR

## Performance I-Series NVRs

DS-7608NI-I2/8P

DS-7616NI-I2/16P

DS-7716NI-I4/16P

DS-7732NI-I4/24P



- Display and record surveillance video with temperature information
- Receive temperature alarms from the cameras
- 8, 16 and 32 channel models available
- Support up to 24 or 48 TB (I2 or I4 models, respectively)
- Integrated 8, 16 or 24 port PoE+ network switch

## PoE+ Network Switches

DS-3E0105P-E2 DS-3E0318P-E2

DS-3E0109P-E2 DS-3E0326P-E2



- Specialty video surveillance PoE+ network switches
- 4, 8, 16 and 24 PoE port models with extra uplink port(s)
- Large power budgets and stable power supply
- Extended transmission capability up to 300 m
- Large data buffer and priority ports
- 6 kV surge protection for connected devices

## Value Series Monitors



DS-D5019QE-B  
(18.5")



DS-D5022QE-B  
(21.5")



DS-D5032QE  
(31.5")

- Plastic casing, LED-backlit LCD, HDMI/VGA input, VESA, base bracket included, 24/7 operation

## Pro Series Monitors



DS-D5022FC  
(21.5")



DS-D5024FC  
(23.6")



DS-D5032FL  
(31.5")

- Plastic or metal casing, built-in speakers, LED-backlit LCD, more inputs and outputs, VESA, base bracket included (except 31.5"), 24/7 operation

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