

# Hikvision Elevated Skin-Temperature Solutions

A Wide Range of Solutions For Your Temperature Screening Applications

Hikvision Elevated Skin-Temperature Solutions, available in multiple product types, are designed to detect elevated or abnormal skin-surface temperatures to enable rapid and safe preliminary temperature screening with high accuracy in a multitude of scenarios.

- Low Resolution Cameras
- High Resolution Cameras
- Handheld Cameras
- Accessories



## 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 ensure the temperature is compensated with ambient temperature and the distance of the measured target for better accuracy.
- 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



Perform human skin-surface temperature measurement  
Immediate preliminary temperature screening without contact



Discover potential abnormal temperatures



Perform a secondary check conducted by qualified personnel using approved medical devices.

# 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-service 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

### Thermographic Cameras



Visualized bi-spectrum live view

### Wireless Devices



Easy connection, cable-free real-time sound and light alarm

### Stand-Alone Handheld Device



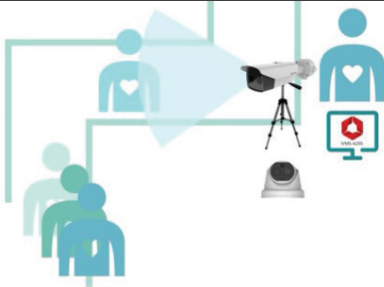
Ideal for immediate screening on-site

\* May require use of PPE

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

## Temperature Screening Packages

### Turret/Bullet Camera

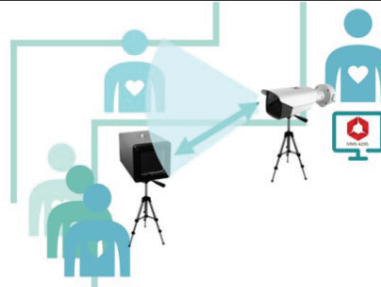


iVMS-4200 + Laptop + Tripod/Bracket

Accuracy:  $\pm 0.5^{\circ}\text{C}$

The turret/bullet camera uses human body detection technology to reduce false alarms caused by other heat sources.

### Turret/Bullet Camera + Blackbody Calibrator



iVMS-4200 + Laptop + Tripod/Bracket

Accuracy:  $\pm 0.3^{\circ}\text{C}$

This solution is enhanced with a blackbody calibrator to increase accuracy from  $\pm 0.5^{\circ}\text{C}$  to  $\pm 0.3^{\circ}\text{C}$ .

### Handheld Camera



iVMS-4200 or Hik-Thermal (app) + Tripod

Accuracy:  $\pm 0.5^{\circ}\text{C}$

With a Wi-Fi module, the handheld camera can connect to a PC or a smartphone. It also features a built-in speaker or audio for alarm.

### Group Temperature Screening



Group Screening with High Efficiency

Thermographic Bullet Camera

Supports simultaneous temperature screening for multiple people at one time, greatly enhancing efficiency (Up to 30 people)



### Temperature Screening on Patrol



Anytime, Anywhere, Just One Click

Thermographic Handheld Camera

Supports immediate detection and preliminary screening avoiding unnecessary physical contact



### Manage Cameras From A Safe Distance



No Contact Necessary

Use an I-Series NVR (DS-7608NI-I2/8P) or PC Laptop with iVMS-4200 software to manage the cameras from a safe distance.

# Product Showcase

## Thermographic Cameras

### Thermographic Bullet Camera

DS-2TD2636B-13/P

- Thermal resolution: 384 × 288
- Thermal lens: 13 mm
- Optical: 2688 × 1520
- Optical lens: 6 mm
- Accuracy: ±0.5° C (±0.3° C with blackbody)
- Measurement range: 30° C to 45° C (86° F to 113° F)
- Operating temperature: 10° C to 35° C (50° F to 95° F)
- Human body detection technology, false alarm reduction
- Simultaneous temperature screening for multiple people (Up to 30 people)



### Thermographic Turret Camera

DS-2TD1217B-3PA

- Thermal resolution: 160 × 120
- Thermal lens: 3 mm
- Optical: 2688 × 1520
- Optical lens: 4 mm
- Bi-spectrum image fusion
- Accuracy: ±0.5° C (±0.3° C with blackbody)
- Measurement range: 30° C to 45° C (86° F to 113° F)
- Supports audio alarms
- Operating temperature: 10° C to 35° C (50° F to 95° F)
- Human body detection technology, false alarm reduction
- Simultaneous temperature screening for multiple people (Up to 30 people)



### Thermographic Bullet Camera

DS-2TD2617B-3/6PA

- Thermal resolution: 160 × 120
- Thermal lens: 3 mm / 6 mm
- Optical: 2688 × 1520
- Optical lens: 8 mm
- Bi-spectrum image fusion
- Accuracy: ±0.5° C (±0.3° C with blackbody)
- Measurement range: 30° C to 45° C (86° F to 113° F)
- Supports audio alarms
- Operating temperature: 10° C to 35° C (50° F to 95° F)
- Human body detection technology, false alarm 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° C to 45° C (86° F to 113° F)
- Operating temperature: 10° C to 35° C (50° F to 95° F)
- Touch screen
- Accuracy: ±0.5° C
- Bi-spectrum image fusion
- Supports Wi-Fi
- Supports audio alarms
- Automatic screenshots & uploading
- Removable, rechargeable Li-ion battery
- Up to 4 to 5 hours continuous operation



### Thermographic Handheld Camera

DS-2TP31B-3AUF

- High sensitivity sensor with 160 × 120 resolution
- High quality 320 × 240 resolution 2.4" LCD display
- Up to 4 palettes
- Wide temperature measurement range: 30° C to 45° C (86° F to 113° F)
- Operating temperature: 10° C to 35° C (50° F to 95° F)
- High temperature measurement accuracy: Up to ±0.5° C
- Built-in rechargeable Li-ion battery
- Up to 8 hour continuous operation



### 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° C to 40° C



### I Series NVR

DS-7608NI-I2/8P

- Up to 8 IP Cameras Can Be Connected
- 80 Mbps Incoming Bandwidth
- 80 Mbps/256 Mbps
- HDMI Video Output up to 4K (3840 × 2160)

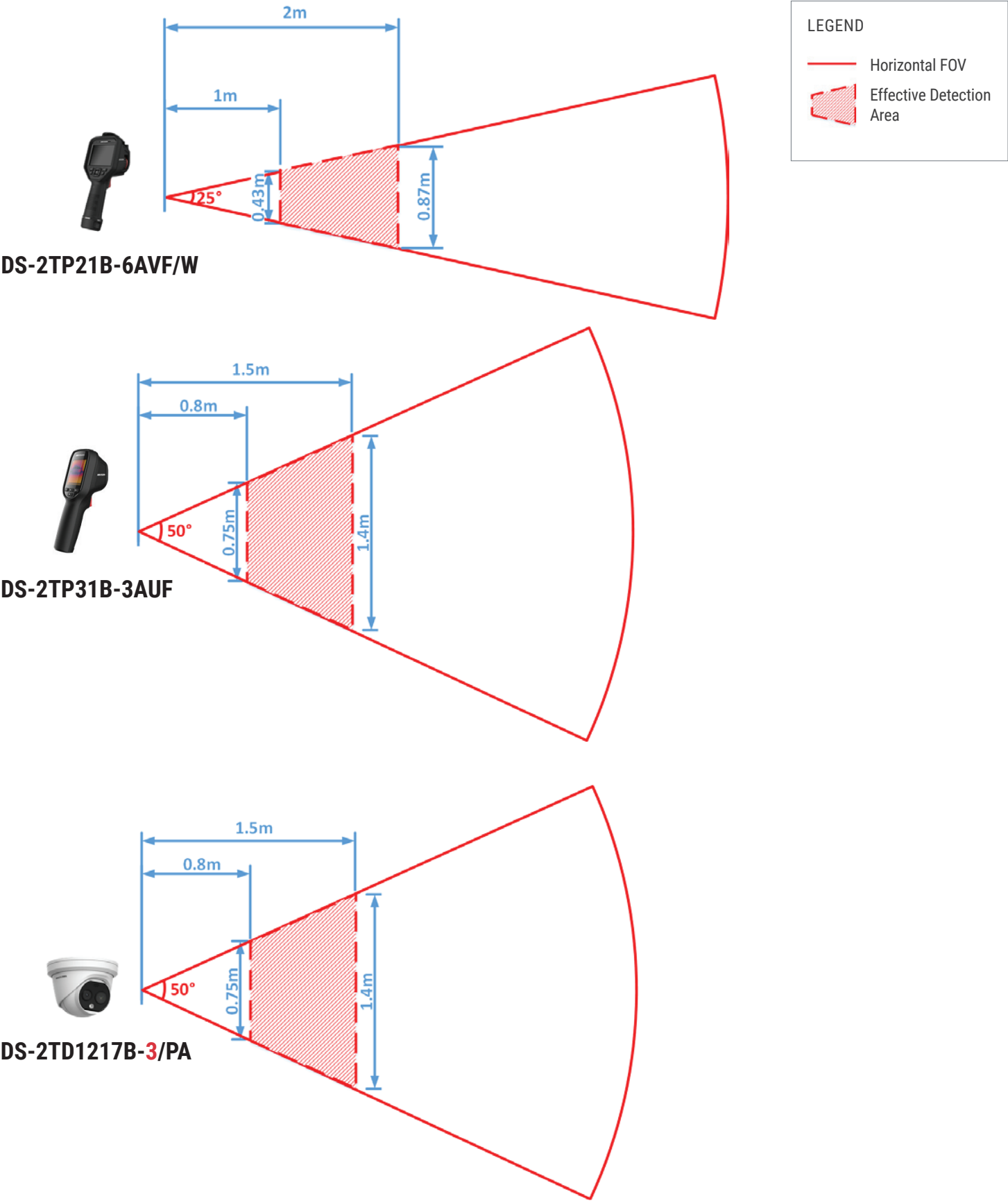


## Monitors

				
DS-D5022QE-B	DS-D5022FC	DS-D5027UC	DS-D5032FL	DS-D5043UC
<ul style="list-style-type: none"><li>• LED Backlit Technology with 1920x1080 resolution</li><li>• Highly Reliable for 24/7 Use</li><li>• View angle: 170°(H)/160°(V)</li><li>• Image processing: 3D comb filter, 3D De-interlace, 3D noise reduction</li><li>• Inputs: HDMI, VGA</li><li>• Includes desktop stand</li></ul>	<ul style="list-style-type: none"><li>• LED Backlit Technology with 1920x1080 resolution</li><li>• Highly Reliable for 24/7 Use</li><li>• View angle: 170°(H)/160°(V)</li><li>• Image processing: 3D comb filter, 3D De-interlace, 3D noise reduction</li><li>• Inputs: HDMI, VGA, BNC, Audio in</li><li>• Includes desktop stand</li></ul>	<ul style="list-style-type: none"><li>• LED Backlit Technology with Full HD 1920x1080</li><li>• 27" LED Monitor</li><li>• Wide View Angle: 178°(H)/178°(V)</li><li>• Three Image Modes for Different Environments</li></ul>	<ul style="list-style-type: none"><li>• LED Backlit Technology with 1920x1080 resolution</li><li>• Highly Reliable for 24/7 Use</li><li>• View angle: 178°(H)/178°(V)</li><li>• Inputs: HDMI, VGA, BNC, DVI, Audio in, USB</li><li>• Metal shell</li><li>• VESA Standard</li></ul>	<ul style="list-style-type: none"><li>• LED Backlit Technology with 2840x2160 resolution</li><li>• Highly Reliable for 24/7 Use</li><li>• View angle: 178°(H)/178°(V)</li><li>• Inputs: HDMIx2, RS232, VGA, Audio in, USBx2</li><li>• VESA Standard</li></ul>

# Hikvision Thermographic Coverage Comparison Chart

Note: Coverage may vary based on installation height and angle of view





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Note: Coverage may vary based on installation height and angle of view

