



Hikvision

Fever Screening Thermal Solutions

SAFER, FASTER, SMARTER

With advanced detectors and algorithms, Hikvision's Fever Screening Thermographic Cameras can detect elevated skin-surface temperatures in moving crowds such as passengers, commuters and shoppers, with accuracy up to $\pm 0.3^{\circ}\text{C}$.



**IR
radiation**

**Grayscale
values**



High Efficiency

One second
to detect skin-surface
temperature of a person

Increased Safety

Non-contact
measurement
to avoid physical contact



Fever Screening Solutions

1

Handheld Camera

+ Tripod

**+ iVMS-4200 or Hik-Thermal
(Mobile app)**

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



With a Wi-Fi module, the TP21B handheld camera can connect to a PC or a smartphone to notify operators when a person with an elevated temperature passes by. It also features a built-in speaker for audio alarms.

2

Turret/Bullet Camera

+ Tripod/Bracket

+ iVMS-4200

+ Laptop

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



The turret/bullet camera features AI detection to reduce false alarms caused by other heat sources.

3

**Turret/Bullet Camera + Blackbody Calibrator
+ Tripod/Bracket
+ iVMS-4200
+ Laptop**

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



Compared with Solution (2), Solution (3) is enhanced with a blackbody calibrator to increase the temperature measurement accuracy from $\pm 0.5^{\circ}\text{C}$ to $\pm 0.3^{\circ}\text{C}$.

Note: Hikvision recommends installing a blackbody calibrator 1.2 meters in front of a thermal camera.

Features of Solutions

AI Detection

Focus temperature measurement areas on human bodies to reduce false alarms caused by other heat sources

Advanced Algorithms

Achieve highly reliable accuracy with Hikvision's proprietary temperature measurement algorithms

Bi-Spectrum Monitoring

Provide both thermal and optical image channels apart from temperature measurement

Embedded Audio Alarm

Trigger alarms to notify operators immediately when a person with an elevated body temperature passes by

One-Stop Solution

Offer an extensive product portfolio including thermographic cameras, NVRs, switches, etc.



Operation

Tips



Install the thermographic camera in a **windless indoor** environment



Draw a line on the floor to perform screening at a **certain distance** between the camera and the tested persons

Fever Screening Thermographic Cameras

Temperature measurement range: 30-45 °C

Working temperature: 10-35 °C

DS-2TD2636B/P



AI Detection

384*288 thermal resolution

15 mm thermal lens

(Recommended camera-target distance: 4.5-9 m)

6 mm optical lens

DS-2TD2617B/PA



AI Detection

160*120 thermal resolution

3 / 6 mm thermal lens

(Recommended camera-target distance: 0.8-1.5 m / 1.5-3.0 m)

4 / 6 mm optical lens

DS-2TD1217B/PA



AI Detection

160*120 thermal resolution

3 / 6 mm thermal lens

(Recommended camera-target distance: 0.8-1.5 m / 1.5-3.0 m)

4 / 6 mm optical lens

DS-2TP21B-6AVF/W



Wi-Fi

160*120 thermal resolution

Max 8 MP optical resolution

6 mm thermal lens

(Recommended camera-target distance: 1.5-3.0 m)