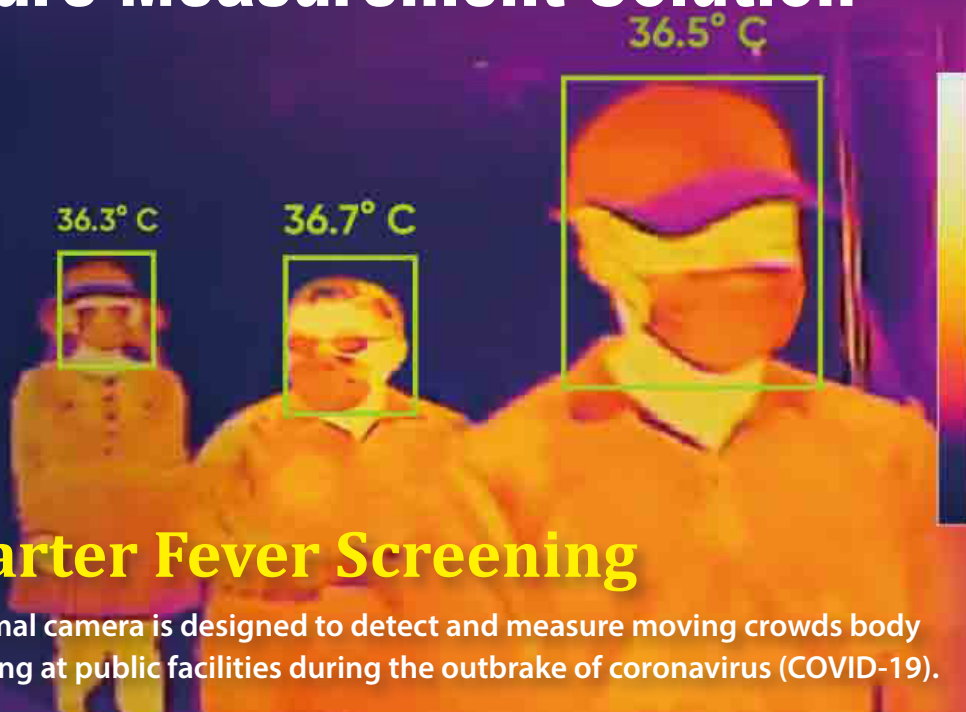


Contact-free Thermal Body Temperature Measurement Solution



Safer, Faster, Smarter Fever Screening

With built-in AI module, AiBase thermal camera is designed to detect and measure moving crowds body temperature to achieve fever screening at public facilities during the outbreak of coronavirus (COVID-19).

Thermal Camera



Calibration Body



Manual Fever Screening

Easy to be
exposed to virus

Low efficiency

Labor &
time cost

Benefit of AI Thermal Fever Screening



Contact-free

- Non-contact temperature measurement avoids physical contact and reduces cross-infection risks



Fast Pass

- Long measuring distance and wide coverage of thermal camera
- Simultaneous multi-person detection

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



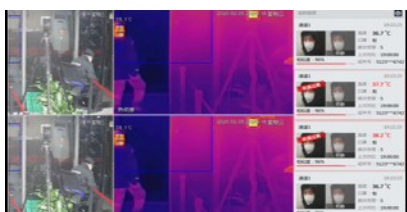
Accurate Detection

- High accurate body temperature measurement $\pm 0.3^{\circ}$ (with calibration body)
- AI detection reduces false alarm from other heat sources



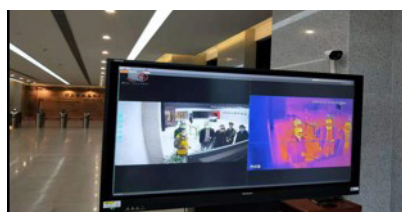
Temperature Alarm

- Automatically trigger immediate alarm of abnormal temperature to notify operators



Data Tracking

- Automatically record abnormal temperature information for further inspection, backup both video and human portrait

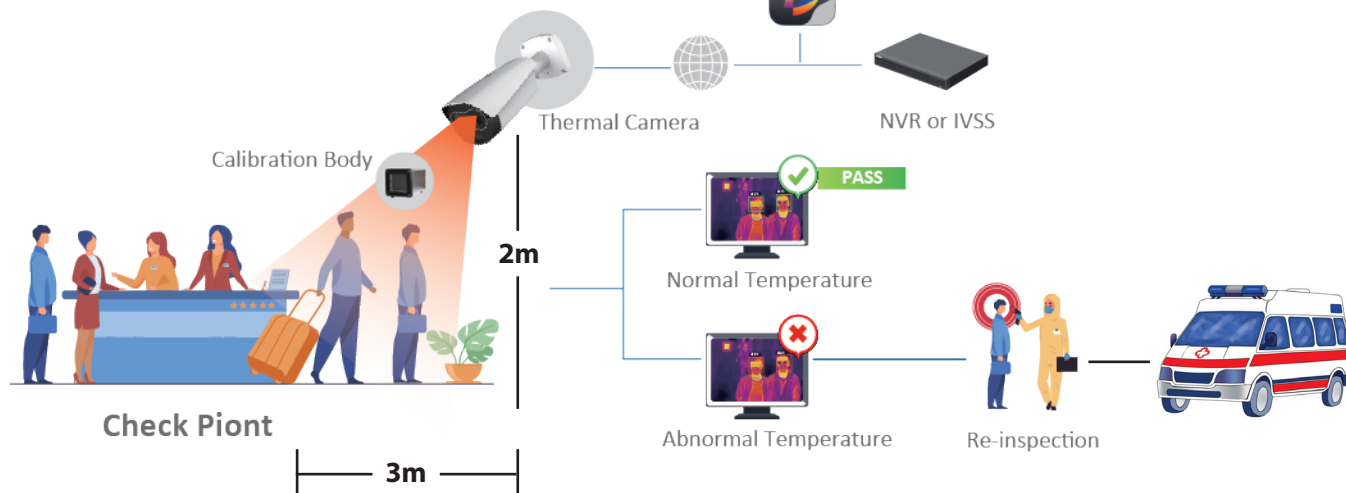


Labor Saving

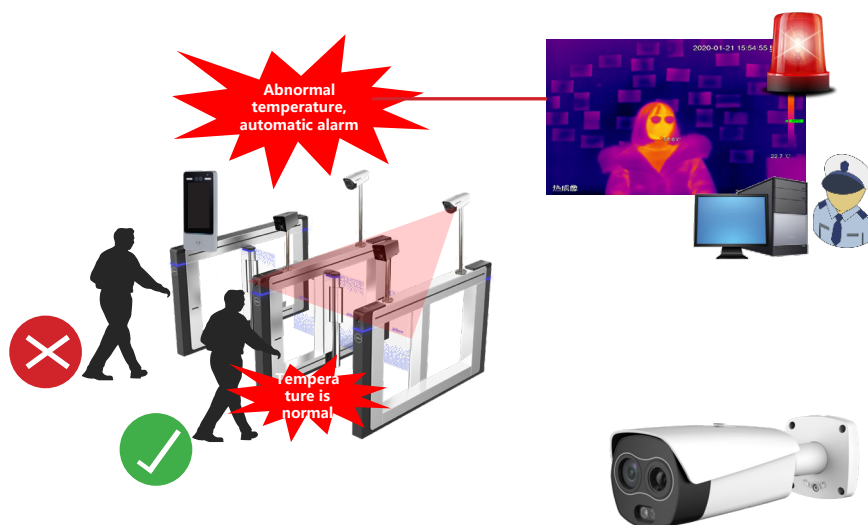
- Thermal camera can replace manual testing, save much on labor cost and testing time

► System Deployment

- The best test distance (from camera to crowd): 3m
- The best thermal camera height: 2m
- The best calibration body height: 1.8m



► Application: Body Temperature Measurement & Access Control



Provide Non-stop Access by Facial Recognition

- Just scan face and go, no need to lineup for ID verification, it helps avoid people been exposed to virus
- Provide face video and snapshot for operator to track visitors with abnormal body temperature and make faster response

Safe and Quick Temperature Screening

- Thermal camera offers contact-free temperature testing to replace manual screening, which reduces virus infection risk
- Operator can receive alarm notification timely when camera detects human with abnormal body temperature



Embassy



Airport



School



Condo Elevator Entrance

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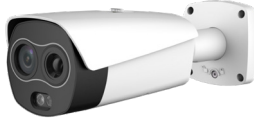
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► Solution Devices



Dual Lens Thermal Camera

- Resolution: 256*192
- Thermal lens: 3.5mm/7mm
- Visible: 1/2.8"CMOS, 1080P
- Visible lens: 4mm/8mm
- Alarm: Built-in white light warning light
- Temperature measurement range: 30 °C ~ 45 °C
- Accuracy : $\pm 0.3^{\circ}\text{C}$, with calibration body;
 $\pm 1^{\circ}\text{C}$,without calibration body



Dual Lens Thermal Camera

- Resolution: 400*300
- Thermal lens: 13mm
- Visible: 1/2.8"CMOS, 1080P
- Visible lens: 8mm
- Alarm: Built-in white light warning light
- Temperature measurement range: 30 °C ~ 45 °C
- Accuracy : $\pm 0.3^{\circ}\text{C}$, with calibration body;
 $\pm 1^{\circ}\text{C}$,without calibration body



Calibration Body

- Working temperature: 5 °C ~ 50 °C
- Temperature resolution: 0.1 °C
- Temperature measurement accuracy: $\pm 0.2^{\circ}\text{C}$
- Temperature stability: $\pm (0.1 \sim 0.2)^{\circ}\text{C} / 30\text{min}$
- Effective emissivity: 0.97 ± 0.02
- Power: 220VAC 50Hz
- Ambient humidity : $\leq 80\% \text{RH}$



Face Recognition Terminal

- 7 inch touch screen
- Face, card and password unlock; unlock by period
- Auto light compensation
- Detection distance: 0.3 m—2.0 m;
human height: 0.9 m—2.4 m
- Face verification accuracy > 99.5%;
- Face comparison speed 0.2s per person
- 100,000 users, 100,000 faces, 100,000 passwords
- Liveness detection



Turnstile

- Pedestal material: 304 stainless steel, thickness 2.0mm
- Motor type: Servo motor
- IR Light Detectors: 30 pairs
- Lane width: 600mm~1000mm
- Barrier material: Acrylic glass
- Power: AC 100-240V/50~60HZ

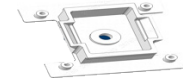


5 Series AI NVR

- Alarm event access
- Storage, query and playback of alarm video
- Face recognition
- Local display



Tripod



Connector



Power Supply

AI Contact-free Thermal Body Temperature Measurement Kit



Kit includes:

- 1 x Dual Lens Thermal camera
- 1 x Calibration body
- 1 x 5 Series AI NVR with 3T HDD
- 2 x Tripod
- 2 x Tripod convertor
- 1 x Camera power supply

AI Contact-free Thermal Body Temperature Measurement with Facial Access Turnstile Kit



Kit includes:

- 1 x Dual Lens Thermal camera
- 1 x Calibration body
- 1 x 5 Series AI NVR with 3T HDD
- 1 x Turnstile
- 2 x Face Recognition terminal
- 2 x Tripod
- 2 x Tripod convertor
- 1 x Camera power supply

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