FOTRIC 223 B

Group Temperature Scanning

Efficiency Performance

AGILE | ACCURATE | RELIABLE

Advanced A.I. Facial Detection Monitoring system

720p

223 B

Up to 10 feet away
to keep distance detection

AGILE

Individual Scanning

- Built-in AI facial detection module can screen entire groups of people simultaneously.
- Automatically detects and locks frame and dynamic temperature tag onto face.

⊕

Multi-target

Group Scanning

- Face-Tracking allows accurate detection on-the-go.
- Smooth screening with normal flow of people at high-traffic facilities.

🏃 **Rush Hour**

30 Frames per second

20+ People

Plug and Play

- Professional thermography that needs no training.
- Friendly installation and operation.

15min Set-up   🔌 Plug > 🖥️ Adjust > ✓ Complete

Accurate
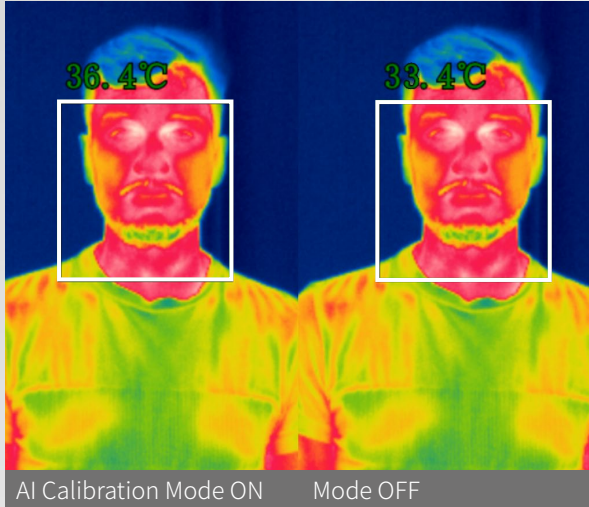

AI Calibration Mode ON — Mode OFF

36.4℃   33.4℃

36.1℃

HOT COFFEE

Self-Calibration

- Automatically collects body temperatures in different scenarios for self-learning.

- Adjusts the compensation temperature in real time by to refine ambient-biased readings.

- Self-calibration ensures **24/7** stable accuracy without Blackbody.

Self-Learning   **24/7**
Accuracy

Less False Alarms

- Intelligently blocks non-facial high temperature sources that would mistakenly trigger the alarm.

Hot mug

Millimetrical Precision

- AI dynamic Face detection will report the hottest spot on the facial surface, wherever it is.

- Its High-resolution thermal sensor scans simultaneously thousands of spots on the face with mill metrical precision (sensitivity NETD).
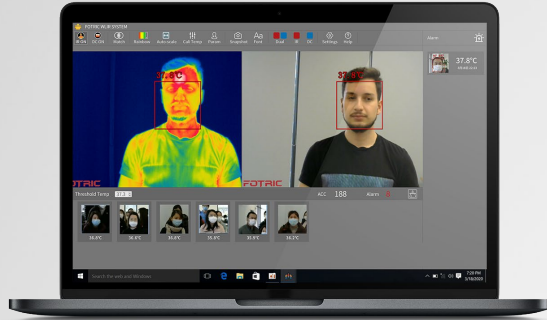
High resolution   **±0.5℃**   **±0.3℃**
Stability   with Blackbody

Reliable

Multiple Alarms

- Green face frames turn Red when high body temperature is detected.
- Voice or Ring alarm.
- Automatic snapshot of people with abnormal temperature.

Normal   High Temp   Alarm   Snapshot

Smart Archive

- Separate snapshots archive for normal and abnormal readings.
- Multiple shooting modes for enhanced disk space management.
- File naming with detailed measurement information for easy tracking.
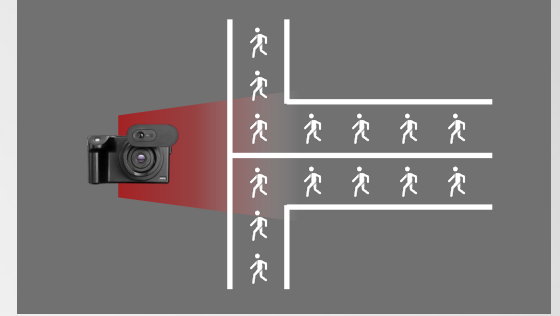- Easy to search and export data log for management

Date   Time   Temp

Social Distancing

- Contactless long-distance screening.
- Broad effective measuring area keeps both users and screening staff safe.

2.5—10.5 ft   4—6 ft

Customization

Customization

- Customized voice alarm and message prompt

- Support multi-languages in system setting

Privacy Protection
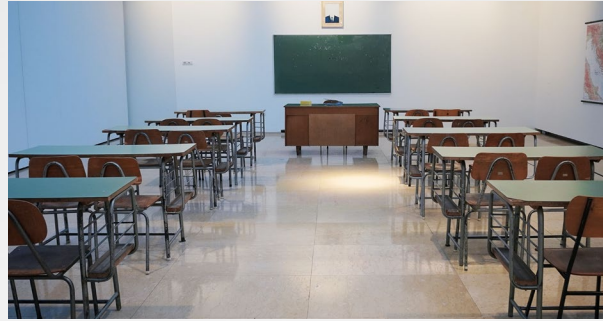
- Easy switch between thermal view or digital view

Modbus Connection
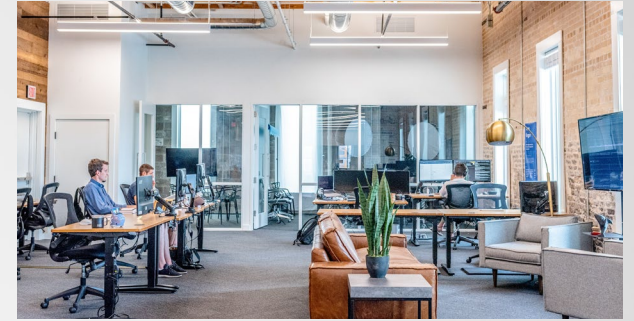
- Enable signal output for flexible control operation

Applications

Hospital

School

Office

Public Transportation

Business Center

Tourism

Specifications

Model	Fotric 223B
IR Resolution	160x120 pixels
Thermal Sensitivity(NETD)	＜0.05℃@30℃
Field of View(FOV)	28°Hx21°V
Detector Type	Polysillicon-FPA,uncooled microbolometer,17μm,Spectral Range 8-14μm
Frame Rate	30Hz
Temperature Range	20℃-60℃(68°F-140°F)
Temperature Stability	±0.5℃(±0.3℃ with blackbody)
AI Face Detection	Dual Light Detection(visible light and infrared thermal)
AI Body Temperature Algorithm	Real time compensation temperature calibration
Statistic Function	Automatic statistics of test number
Shooting Mode	Automatic abnormal temperature snap shot
Alarm Function	Customized voice alarm and sound alarm
Color Pallet	Black-White/Iron/Rainbow
Image Format	Standard JPEG with temperature data
Interface Connection	USB
Software	WLIR Face AI Infrared Thermal Software
Operating Temperature	0℃-40℃(32°F-104°F)
Storage Temperature	-20℃-50℃(-4°F-122°F)
Enclosure Rating	IP40
Charging System	DC 12V Charger
Weight	560g
Dimensions(LxHxW)	97mmx145mmx93.5mm
Tripod Mounting	UNC ¼"-20
Warranty	1 year
Battery Life	10 hours

Standard

Optional

Blackbody

Certification

CE FC CNAS ISO ISO9001

FOTRIC
Thermal Intelligence

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Innovation
Excellence
Integrity