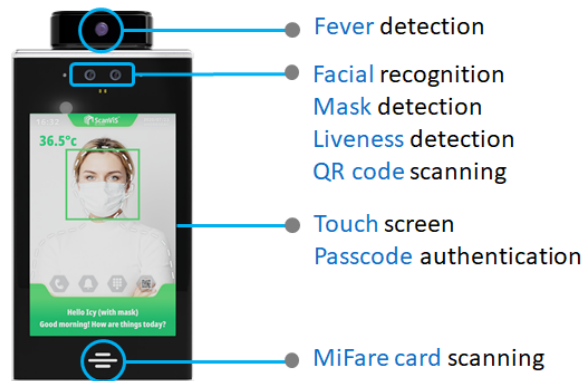




**Fast.  
Precise.  
Efficient.**

## Thermal Detection Solution

SafeACS Thermal Detection Series measures body temperature by scanning people's face using state-of-the-art sensor technology. The system sets off an alarm or denies access to the premises when abnormal temperature is detected. It is a reliable solution that gives fast and precise measurement results for mass



Automated access control system with fever and mask detections

To address the market needs of increasing use of thermal detection to ensure health safety in workplace and public areas, Epsilon AI provides a flexible access control solution with thermal detection for enterprises and organizations.

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**SafeACS** (thermal) combines **facial recognition** and **fever detection functions** in a standalone device. Engineered with state-of-the-art sensor technology, its **temperature detection distance is up to 2 meters**, which provides safe screening to staff and visitors before entering the premises or venues. If abnormal temperature is detected, the system sets off an alarm, or denies access when employing in the SafeACS automated access control system.

For ID verification, both devices offer **multi-factor authentication** methods including **face, QR code, MiFare card, and passcode**, allowing enterprise and organization to assign different authentication protocols to different staff levels. While **liveness detection** offers to prevent fraud identity and **additional dry contact** is housed to enable more door or access control, all these features strengthen private security in the premises.

The flexible and user-friendly **Central Management System (Win CMS or Cloud CMS)** platform is designed to enable administrators to **manage ID group and schedule setting**, as well as generate graphical reports of access logs and temperatures records for better monitoring. It significantly enhances operation efficiency of both administration and security personnel, saving their time to improve productivity.

## Access control system with thermal detection

### Identification

Facial recognition  
Liveness detection  
Multi-factor authentication



Verification speed  
**< 1 second**  
Face database capacity  
**30K**

### Access control

Fever detection  
Mask detection  
Integration to intercom system  
Door control



Temp. detection range  
**32°C to 43°C**  
Temp. accuracy  
**≤ 0.3°C**

### SafeACS PRO



### SafeACS TH



### Wrist

Temperature Detector



Temp. detection range  
**33°C to 42°C**  
Temp. accuracy  
**≤ 0.2°C**  
Detection time  
**500ms**  
Interface  
**USB 2.0**

## Automated access control system with fever detection

**SafeACS PRO** becomes a member of the Thermal Detection Series when installed with **wrist temperature detector (WTD)** to scan body temperature on wrist, palm and forehead by 500 milliseconds only. It is structured with high performance temperature sensor. The device operates in **wide temperature range from 5°C to 40°C** yet keeping **temperature accuracy of  $\leq 0.2^\circ\text{C}$**  to give precise measurement results.

The wrist temperature detector is highly adaptable which provides an **open interface of USB 2.0** to connect with other devices, enabling body temperature screening function and record sharing.

Other than the fever detection function, **SafeACS PRO** is a powerful access control system with multi-factor authentication function, mask, and liveness detections.

## AI-based Infrared Thermal Detection Systems



### Fever detection light pad

#### Safe screening

- Face tracking
- Audio alarm
- Multi-person detection
- Chargeable battery for portability



- Temp. detection range  $32^\circ\text{C}$  to  $44^\circ\text{C}$
- Temp. accuracy  $\leq 0.5^\circ\text{C}$
- Detection time  $< 1$  second

- ✓ Multi-point deployment
- ✓ Temperature records
- ✓ Visual presentation



### Dual sensor thermal imaging camera (with blackbody)

#### Mass blind screening

- Subject verification
- Multiple alarm setting
- Dual light temperature measurement
- Ambient temperature/ distance compensation



- Temp. detection range  $0^\circ\text{C}$  to  $70^\circ\text{C}$
- Temp. accuracy  $\leq 0.3^\circ\text{C}$
- Multiple detections  $20$  people/ second

- ✓ Real-time monitoring
- ✓ IP66-certified
- ✓ Intuitive user interface



[www.epsiloneg.com](http://www.epsiloneg.com)

Please contact our sales team for case study material at [sales@epsiloneg.com](mailto:sales@epsiloneg.com)

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We attempt to respond to queries in 24 hours or less. However, over weekends and holidays, our responses may take up to 72 hours.





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