

# Body Temperature Detection System



inView Concept Pro  
MASS BODY TEMPERATURE DETECTION SYSTEM  
Accurate, Fast & Reliable

# Mass Body Temperature Detection System



## HOW IT WORKS

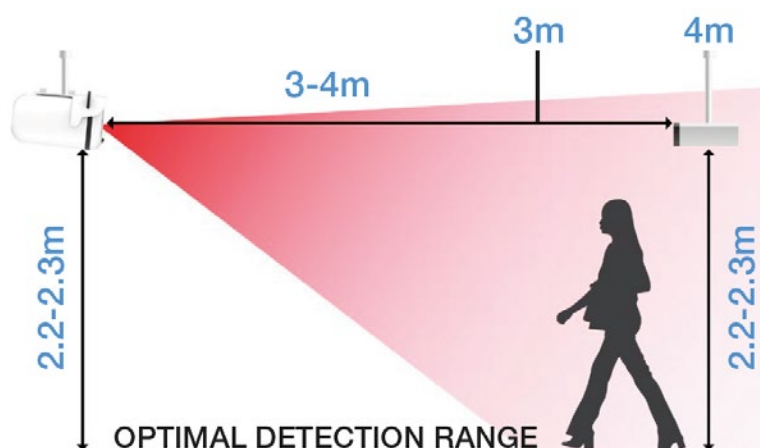
The inView Concept Pro Body Temperature Detection System can accurately detect facial temperatures of up to 40 people at once with an accuracy of  $\pm 0.3^{\circ}\text{C}$ , this is ideal for monitoring body temperatures at entrances to events, transport hubs and buildings.

This system comprises a camera, an NVR (Network Video Recorder), a temperature calibrating device and all the necessary brackets for installation.

Using advanced facial detection, the system uses the face temperature for a more accurate measurement which helps prevent false readings, such as when a person is carrying a hot drink. With astonishingly fast response time and being able to measure up to 40 people at once, the system will reduce the need for single file detection, aiding in the speed of people passing through the detection area.

### KEY FEATURES

- Fast temperature measurement
- High temperature accuracy
- Long distance, non-contact detection
- Only measures facial temperature
- Dual Spectrum Technology (overlay of temperature on live view)
- Mobile App available
- Licence Free software
- Environment calibration
- A complete thermal detection solution



**FACIAL  
TEMPERATURE  
MEASUREMENT**

**HIGH  
ACCURACY  
TO  $0.3^{\circ}\text{C}$**

**UP TO 40  
PEOPLE  
MEASURED  
SIMULTANEOUSLY**

**<30ms  
RESPONSE  
TIME**

To find out how we can help you

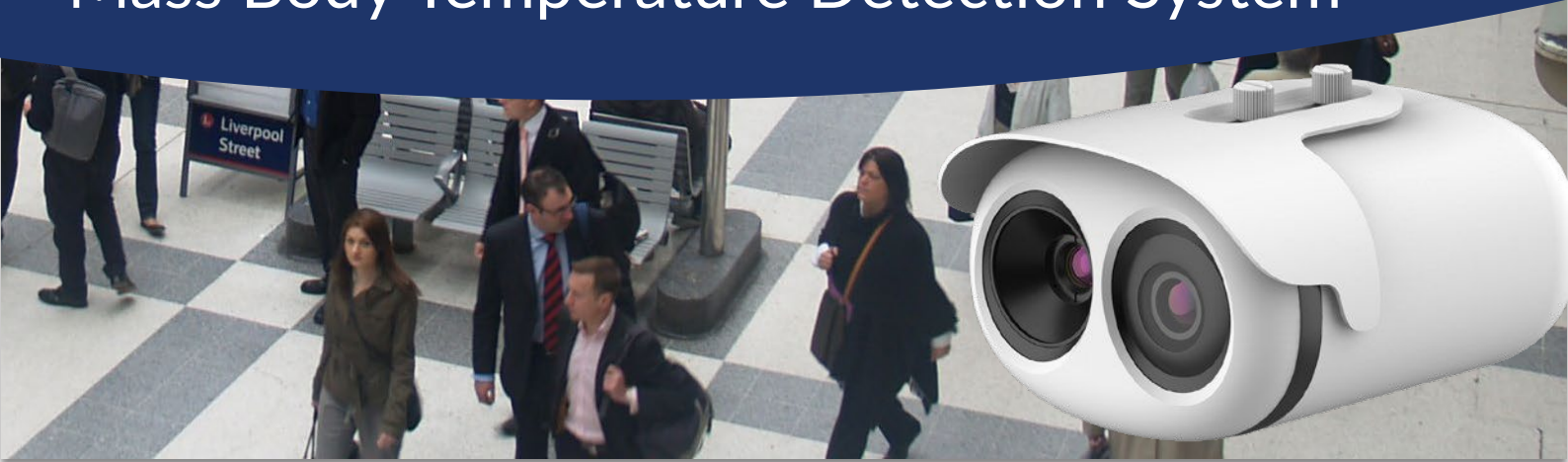
Call: **08085 627765** or visit **[www.marpol.co.uk](http://www.marpol.co.uk)**



Marpol Security Limited

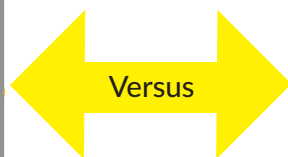
Unit 5, Harvey Court, Golborne, Warrington, WA3 3RX

# Mass Body Temperature Detection System



## COMPARISON AGAINST TRADITIONAL SYSTEMS

Body Temperature Measurement System
40 people can be temperature measured within 30ms
40 plus people can be measured simultaneously in real-time
Dynamic real-time continuous detection
Intelligent automatic temperature detection



Traditional Thermometer Temperature Measurement
16 personal temperature measurements in 16s
Only able to complete 1 temperature measurement at a time
Need arrangement. Irregular measurement
Manual temperature measurement

### inView Concept Pro Body Temperature Measurement System

- 40 plus people can be measured simultaneously in real time.
- Dynamic real-time continuous detection, aiding in a continuous flow of people through the system rather than a stop and start.
- Facial detection technology means that temperatures are logged from an accurate location on the body, eliminating misreads from things like heavy coats or hot drinks.

### Traditional Thermometer Temperature Measurement System

- Complete 16 people's temperature measurements in 16s
- Can only log 1 person's temperature at a time.
- A more stop and start process including stopping 1 person at a time.
- Manual temperature measurements with increased need and risk for physical contact for staff.

To find out how we can help you

**Call: 08085 627765** or visit **[www.marpol.co.uk](http://www.marpol.co.uk)**



**Marpol Security Limited**

Unit 5, Harvey Court, Golborne, Warrington, WA3 3RX

# Mass Body Temperature Detection System



## BENEFITS



### Real-time face tracking

A face recognition algorithm is used to accurately measure the temperature of a person's face



### Multiple-person monitoring

Up to 40 target temperatures measured at once at a distance of 3-5 meters



### High-level of accuracy

Modified  $\leq 0.3^{\circ}\text{C}$  (emissivity, distance, ambient temperature, etc.)

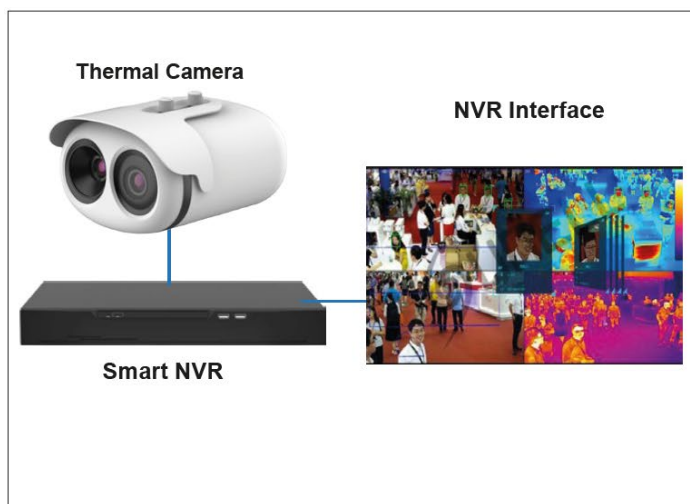


### Bi-spectrum, dual channel, all-weather

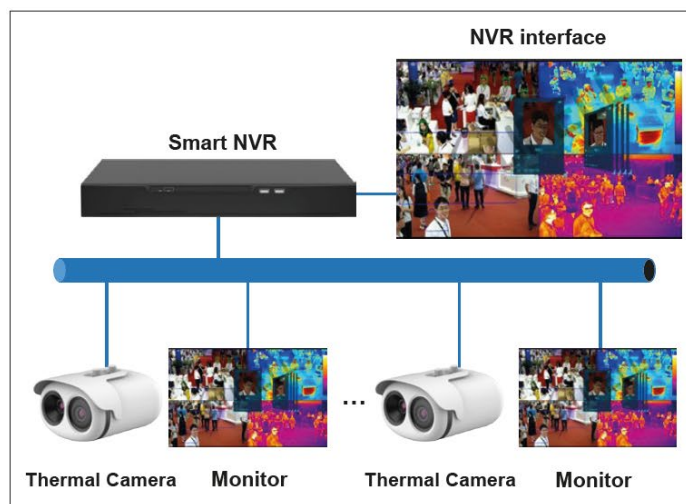
Visible light is all that is required to capture the human face, allowing the thermal imaging to monitor body temperature in a variety of conditions

## APPLICATION EXAMPLES

### Single point



### Multi-point



To find out how we can help you

Call: **08085 627765** or visit **[www.marpol.co.uk](http://www.marpol.co.uk)**



Marpol Security Limited

Unit 5, Harvey Court, Golborne, Warrington, WA3 3RX

# Mass Body Temperature Detection System

This system can accurately detect facial temperatures of up to 40 people at once with an accuracy of  $\pm 0.3^{\circ}\text{C}$ , using advanced facial recognition for a more accurate measurement and avoiding false readings such as when a person is carrying a hot drink.

It is ideal for use at entrances to events, transport hubs and buildings with a high concentration of human traffic and will reduce the need for single file detection.

## THERMAL CAMERA



1. Measurement accuracy  $\leq 0.3^{\circ}\text{C}$ .
2. Up to 40 targets at the same time.
3. Measurement response time  $\leq 30\text{ms}$ .
4. Best measurement distance: 3-4m.

## BLACKBODY CALIBRATION UNIT



1. Blackbody is a standard temperature source used for temperature calibration
2. Measurements are affected by environmental factors so this device calibrates in real time.

## SMART NVR

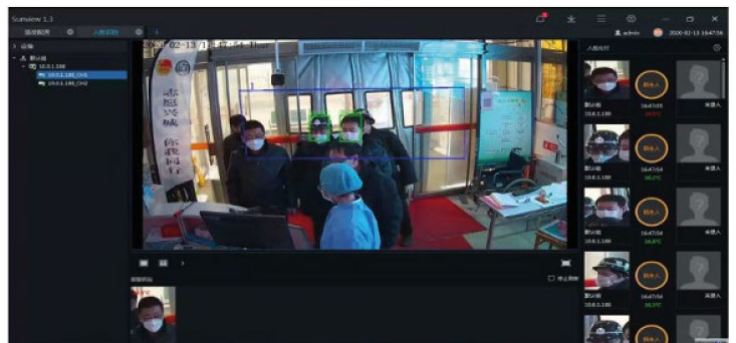


1. Integrated with face detection.
2. Suitable for single-point emergency deployment and small or medium-sized project selection

## BEIJING CAI HOSPITAL

50 kits were deployed into one hospital to help staff reduce the amount of physical contact with potentially infectious patients.

Multiple installations around a location also allows for more casual monitoring rather than forcing people through checkpoints.



To find out how we can help you

Call: **08085 627765** or visit **[www.marpol.co.uk](http://www.marpol.co.uk)**



Marpol Security Limited

Unit 5, Harvey Court, Golborne, Warrington, WA3 3RX