

# THERMOSCANNER *IREO*.

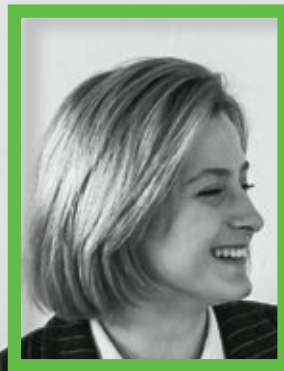
AUTOMATIC AND ACCURATE MULTI-BODY  
TEMPERATURE MEASUREMENT UNIT

[www.hightek.it](http://www.hightek.it)

36.8



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# ACCURATE BODY TEMPERATURE MEASUREMENT UNIT

**IREO** is a technologically advanced multispectral measurement device, developed for accurate body temperature scanning of multiple subjects simultaneously. Developed by an excellent team of engineers and researchers, **IREO** exploits the potentials of cutting edge thermal (IR) and electro-optical (EO) sensors, integrated with advanced Artificial Intelligence algorithms for multi-body face detection and temperature acquisition for monitoring and alerting.

The system is designed for reducing anxiety and discomfort typical of direct measurement, particularly in relaxing and recreative places.



## APPLICATIONS

IREO is developed for speeding up controls in crowded places: AIRPORT, HOSPITAL, SCHOOL, SHOPS, COMPANY, PHARMACY, SHOPPING CENTRE, HOTEL, CREDIT INSTITUTION.

- Simultaneous body temperature scan
- Suitable for areas of large people flows
- Contactless measurement
- Simple installation and user friendly
- Privacy respected according to GDPR
- Technical support
- No discomfort from direct measurement



## Technical data

Installation height 1m - 3m  
Operative environmental temperature 5°C - 35 °C  
Calibrated measurement temperature 30°C - 45°C  
Alert threshold 37.5°C  
Measurement range 2m - 7m  
Measurement Accuracy  $\pm 0.5^{\circ}\text{C}$   
Power supply 12V  
Size 195x104x53 mm  
Simultaneous face detection up to 30 people



### Thermal Sensor

Resolution 320x240 px  
Field Of View 56°  
Optics 4mm  
Frame rate 30Hz

### Colour Sensor

Resolution 2Mpx  
Field Of View 56°  
Autofocus  
Frame rate 30Hz

### Kit

N.1 Measurement module IREO  
N.1 HDMI cable  
N.1 Internet cable  
N.1 Display  
N.2 Power supply  
N.1 Tripod

## INSTALLATION

**IREO** is designed to meet the customer installation needs and overcome the potential limitations arising from the architectural constraints.



**Wall mounting**



**Tripod installation**

The **wall mounting** configuration allows optimising spaces with no physical obstacles. The **tripod installation** is for fast setup and flexibility

## CUSTOMIZABLE KIT

Thanks to the special design, IREO allows a customization of the kit in order to meet customer needs adding to cart only what is needed

# CONFIGURATION



Centralised access control by putting multiple IREO scan in the common Local Area Network

1.



Fast configuration of IREO scan from a dedicated web platform



2.



3.

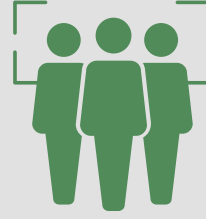


Access point monitoring from video streaming available on mobile devices

# BENEFITS



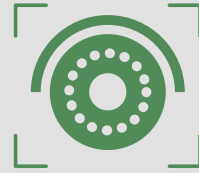
Single people scan



Simultaneous people scan



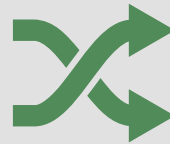
Manual measurement



Automatic measurement



Invasive installation



Flexible installation



Direct measurement discomfort



Non-invasive measurement

