

TEMPMED is a body temperature measurement system, without contact, based on high-precision infrared thermography.

Allows a quick and accurate body temperature measurement of people and alert about those that exceed an established maximum body temperature, thus detecting possible cases of fever and avoiding putting at risk the health of third parties.



TEMPMED complies with the IEC 80601-2-59: 2019 standard providing highly reliable measurements.

This standard establishes the particular requirements for safety and essential operation of thermographic systems used for the detection of feverish human temperature.



The system incorporates a double verification that increases the robustness of the measure.

TEMPMED maintains the privacy of the users in accordance with the GDPR.

Terms of use



Measurement time less 3 seconds.

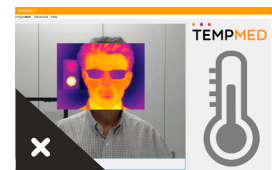
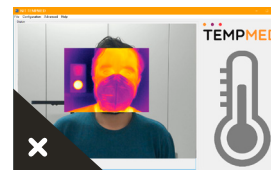
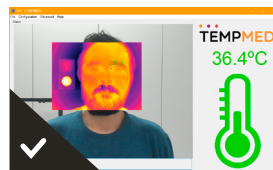
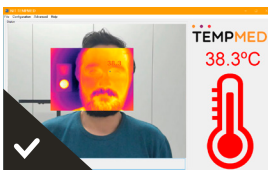


Distance indicators for correct identification.



Automatic recognition of the tear of the eye (only correct area to measure the temperature).

The positioning of the face is guided by a visible camera that helps avoid placement errors, while the head must remain immobile. The system does not provide a reading if the person is wearing glasses and / or a mask.



Advantages of the NIT system

TEMPMED is a unique system among the rest of the existing technologies in the market, thanks to the combination of all its characteristics and the strict monitoring of IEC 80601-2-59: 2019.

- The TEMPMED system is robust, reliable and easy to install.
- Development of proprietary software.
- Systems with cameras 640x480px or 384x288px.
- Ensures its accuracy by not allowing measuring more than one person simultaneously.
- Blackbody system to ensure the measurement's accuracy.
- Quick identification of the tear of the eye.

TEMPMED is a system fully developed by the only company producing infrared detectors Spain.

- In accordance with the standard, it does not allow measuring people with glasses or mask.

Installation, software and use of the system



Easy installation system
PLUG & PLAY



Friendly software, intuitive
and easy to use.



Quick measurement process,
less than 3 seconds



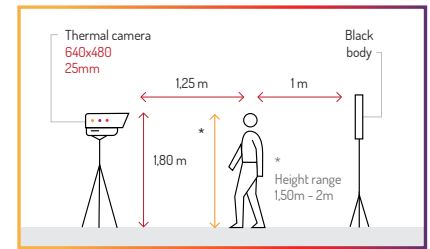
Option to take one picture
at the moment.



Optional modules to
communicate with other systems



Possibility of multicamera
installation.



Side view

System components

- Calibrated thermal imaging camera with high precision for measurement of facial temperature.

Resolution: 640x480 px
High sensitivity: 60 mK

- Integrated video camera (RGB Full HD)

- Reference blackbody

Radiometric precision: $\pm 0,25\text{ }^{\circ}\text{C}$
Stability: less than $0,1\text{ }^{\circ}\text{C}$
Includes traceable calibration certificate

- Dual display screen (position & reference, control & measure)

- Portable system (tripods)

- High precision system $\pm 0,5\text{ }^{\circ}\text{C}$

- Stickers with indications for use and proper positioning

- Analysis software and system configuration with the following functions:

Image fusion algorithm that allows viewing both images (thermal and visible) on screens

Generation of alarms with notification on screen

Real-time hot spot analysis

Option for simultaneous recording of video and thermal images

Easy integration with other systems



Why choose NIT?



NIT, a world leading company in infrared sensing, has a deep understanding of the scope of infrared sensors and their applications.



It is the only company in Spain that manufactures infrared detectors and markets its products in the 5 continents.



High volume manufacturing capacity in collaboration with our partner Revenga Smart Solutions (> 200 employees).



NIT offers its clients custom developments to tailor the the needs of each client.



NIT has received national and international awards for its products.



More than 15 years of experience in the market.