

FeverTIR | Fever detection system

High precision thermal scanner for body temperature measurement



Thermal scanning



Fever detection



Accuracy 0.3°C



Real time analysis



Thermal and visible
Full HD camera



Lightweight and compact



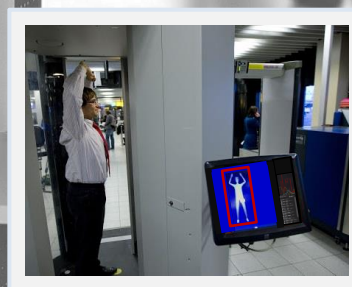
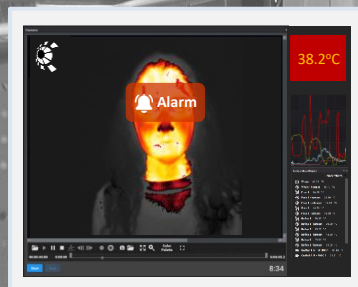
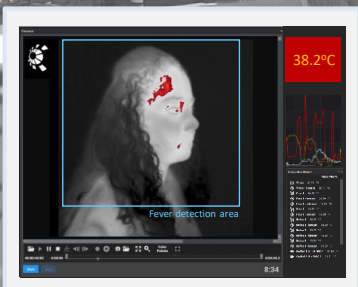
High resolution 384x288



Real time calibration



Traceable calibration
certificate



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The Fever Detection System FeverTIR is designed to quickly and accurately measure people's body temperature without contact. The system alerts about people who exceed the established maximum body temperature, detecting possible cases of fever, one of the most obvious symptoms of Covid-19 infection, as well as similar contagious diseases. The system is fully compliant with IEC 80601-2-59 standard.

Body temperature measurement

The system combines a high-precision thermal camera with a visible Full HD camera allowing body temperature measurement and the identification of people, with fast recording of the data obtained. The system provides an accuracy of $\pm 0.5^{\circ}\text{C}$ and traceable calibration certificate is included (see fig. 1).

For higher accuracy in temperature measurement ($\pm 0.3^{\circ}\text{C}$), there is the option of incorporating a black body source (see fig. 2). In this case, a traceable calibration certificate is also included.

Software

The included software provides a very intuitive interface for the control and configuration of temperature, alarms and recording functions, as well as for the analysis of the measured data. Its digital output module allows easy integration with other systems.

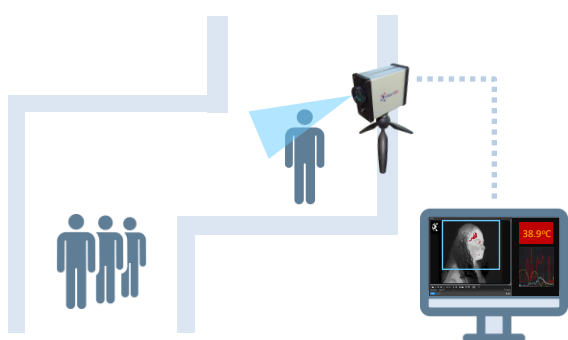


Fig.1. Temperature measurement with accuracy $\pm 0.5^{\circ}\text{C}$

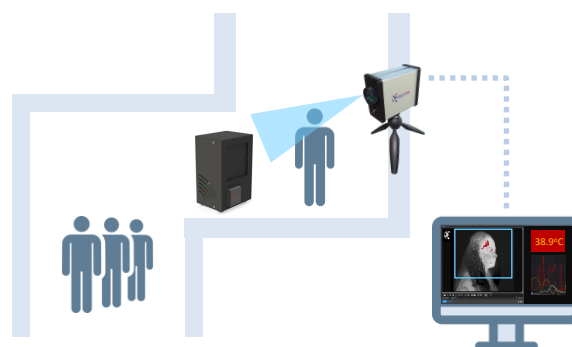
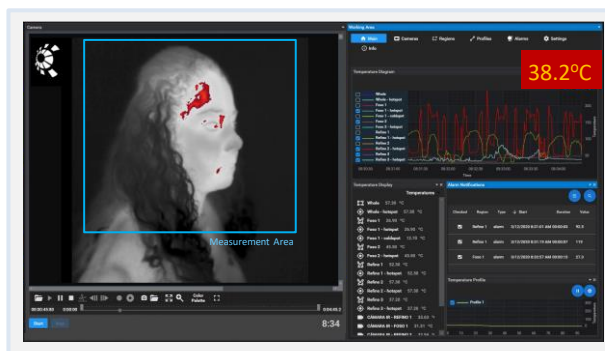



Fig.2. Temperature measurement with accuracy $\pm 0.3^{\circ}\text{C}$


Main features

- High resolution: 384 x 288 pixels
- High sensitivity: 60mK
- High accuracy: $\pm 0.5^{\circ}\text{C}$ ($\pm 0.3^{\circ}\text{C}$ using black body)
- Integrated visible spectrum camera (RGB full HD)
- Display of both cameras on the screen (thermal + visible)
- Simultaneous recording of video and images (RGB and thermal)
- Special calibration temperature range for measuring facial temperature
- System setup and analysis software included with the camera
- Generation of pre-alarms and alarms with on-screen notification
- Real-time hot spot analysis
- Easy integration with other systems
- Fully compliant with IEC 80601-2-59 standard



 Accuracy $\pm 0.3^{\circ}\text{C}$

 Resolution: 384x288

 Traceable calibration certificate