



Fever Screening With Thermal Cameras

Efficient, Visible, Real-Time Measurement of Human Body Temperature

Thermal Imaging Cameras have emerged as a vital tool in the detection of elevated body temperature which may indicate the presence of a fever, a symptom of the Coronavirus (COVID-19).

Thermal Cameras can assist with **Fever Screening** by detecting elevated body temperatures with accuracy up to $\pm 0.3^{\circ}\text{C}$. With a built-in AI algorithm, the camera can measure multiple people from a distance of 9.8 feet away and 4.3 feet wide, enabling **Fast Assessment** without personal contact.

The Technology

Any object with a temperature above absolute zero emits a detectable amount of **Infra-Red (IR) Radiation**. The higher an object's temperature, the higher intensity of emitted IR.

Taking advantage of the differences in IR intensity between objects, **Thermal Imaging Cameras** make the invisible IR "visible" in the form of heat zone images.

The cameras provide colour images and temperature scales, and once detection is triggered a visual/audio alarm will appear showing the person/persons with elevated body temperature on the computer screen.

These functions make it easy for an operator to instantly decide whether the subject needs to be referred for further medical examination.

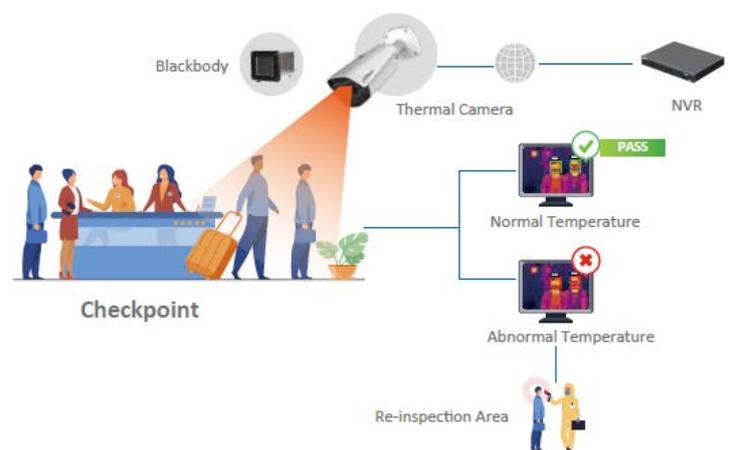
The total evaluation period takes less than a second which makes it ideal for **Fever Screening** large groups of people.

Applications include Healthcare, Education, Factories, Airports, Ports, Stations, and other security check entrances for temporary control.

Our Solution

Our **Temporary Fever Screening Solution** comprises the latest thermal imaging camera and premium certified external shelter with or without integrated **Access Control**.

Each Camera and Temperature Sensor is mounted on a tripod to ensure the least disruptive installation time. A standalone recorder and monitor is installed on a desk to alert when an activation occurs.



Quick detection of elevated body temperatures



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



Non-contact measurement avoids physical contact



Multi-person detection for greater efficiency



Visual alert when abnormal results are detected



Easy installation and flexible deployment