

## Fever Screening with Thermal Cameras

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 Coronavirus 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.

### Our Solution

Our Temporary Fever Screening Solution comprises a premium certified external shelter with integrated Access Control.

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 cameras make the invisible IR "visible" in the form of heat zone images.

The cameras provide colour images and temperature scales, and sound alarms that can be set to go off when a certain temperature threshold is exceeded. These functions make it easy for an operator to instantly decide whether the subject needs to be referred for medical examination. The total evaluation period takes less than a second which makes it ideal for fever screening large groups of people.

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 occurred. Standard quote attached you can send out with our certified enclosure included.

### Benefits

- Accurate, safe, and effective temperature measurement
- Fast screening without personal contact
- Measurement of multiple people at the same time for greater efficiency
- Visual alert when abnormal results are detected

### Applications

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