

# MSite Temperature Screening

## Temperature Detection Module

- Detects workers with a high skin temperature.
- Displays temperature on the integrated screen and shows when a worker's temperature exceeds the threshold.
- Integrated with MSite's access control system, so can automatically block site access when a worker has a high temperature.
- Quickly and accurately measures the worker's temperature by combining a high resolution camera with facial detection to pinpoint the upper area of the face.
- Can be retro-fitted to existing MSite access control installations.
- Temperature accuracy  $\pm 0.5^{\circ}\text{C}^*$

### Technical Specification

Max. Resolution	120 x 160 (19,200 pixel)
Frame Rate	25fps
NETD (Noise Equivalent Temperature Difference)	$\leq 50 \text{ mK (@}25^{\circ}\text{C, F\# = 1.0)}$
Field of View	$37.2^{\circ} \times 50^{\circ}$ (H x V)
Temperature Range	$30^{\circ}\text{C to }45^{\circ}\text{C}$
Temperature Accuracy*	$\leq \pm 0.5^{\circ}\text{C (}0.9^{\circ}\text{F)}^* / \pm 0.3^{\circ}\text{C (}0.5^{\circ}\text{F)}^{**}$
Temperature Distance	50 cm-130 cm
Interface	USB
Operating Temperature	$0^{\circ}\text{C to }50^{\circ}\text{C}$
Maximum Dimension (W x H x D)	147mm x 344mm x 98mm



## Limitations

- Disclaimer: MSite products cannot be used to diagnose any medical condition. MSite Thermal cameras can only identify individuals with skin temperature higher than a preset figure but should not be solely or primarily relied upon to diagnose or exclude a diagnosis of COVID-19, or any other illness.
- The accuracy of temperature readings can be impacted by various environmental conditions such as temperature, exposure to sunlight and exposure to windy conditions. The unit should be installed internally in a wind free environment.
- Please ensure Temperature Screening module is installed in an indoor and windless environment

\*For  $\pm 0.5^{\circ}\text{C}$  accuracy, use the device:

- In recommended ambient temperature ( $10^{\circ}\text{C to }35^{\circ}\text{C}$  or  $50^{\circ}\text{F to }95^{\circ}\text{F}$ )
- 90 minutes after turning on for self-calibration

\*\*According to KOLAS(Korea Laboratory Accreditation Scheme) calibration certificate

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