

# Thermal Imager Temperature Screening & BlackBody Calibration Quick

## Guide

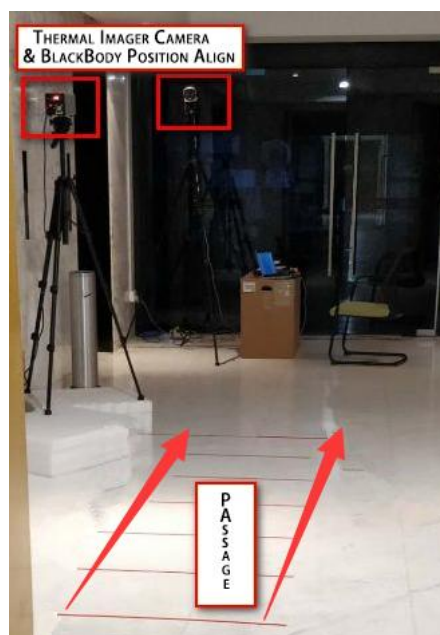
### Installation

Thermal Imager Temperature Screening device installation height ought to be 2 meters above while the BlackBody installation height should be 1.8 meters. The distance from the Thermal Imager Camera from the BlackBody should be approximately 3 meters.

Please refer to picture below:



The Thermal Imager Camera device should be position in alignment with the BlackBody Thermal Screen facing the camera device while the Thermal Imager camera to position facing the passageway to avoid view or passage obstruction.



## BlackBody Installation Diagram

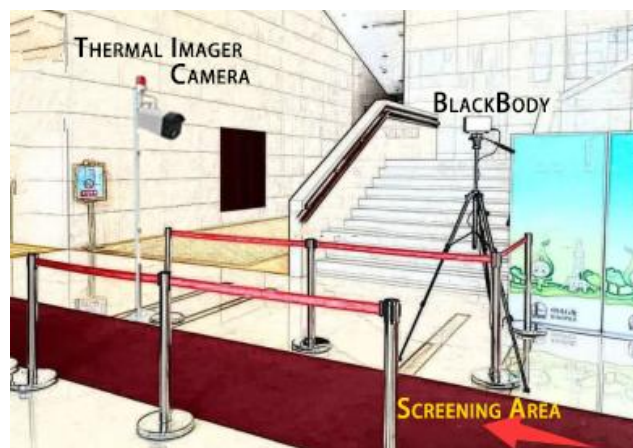
BlackBody radiation panel ought to be position facing the Thermal Imager Temperature Screening Camera. The Blackbody can be positioned in alignment with the camera.



Please refer to picture below:



Thermal Imager Camera and BlackBody Installation Diagram:

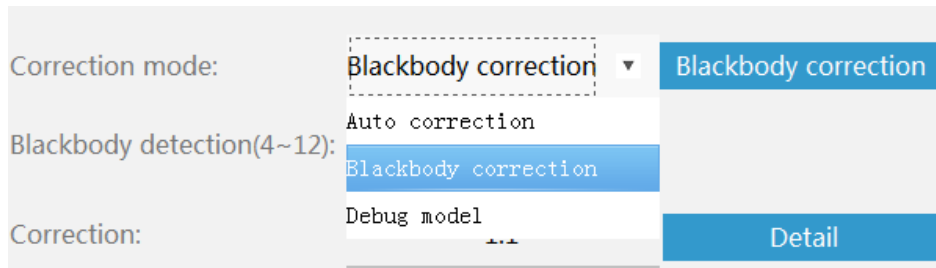


The temperature screening area should be clear from obstruction to avoid temperature testing targets blocking the BlackBody radiated temperature background.

### Notes:

The camera point of view should be angled at  $< 30$ degrees and not suggested to use the Thermal Imager Camera head-up view or direct view. Ensure there is sufficient illumination but avoid strong backlight, light environment and also high temperature instability interference. It is suggested to setup the Thermal Imager relatively in a stable temperature and airflow environment isolating from unstable environment; i.e outdoor environment which might cause unstable temperature or airflow current thus lowering the efficiency & accurate temperature measuring for the Thermal Imager Camera. Do also note to avoid electromagnetic interference devices or environment and also setup area to avoid unstable vibration or devices that might cause vibration.

**BlackBody Correction Mode: Align Temperature correction in accordance to BlackBody.** Click Settings icon at right bottom of software and select BlackBody correction as per diagram below:



Power BlackBody device, set the BlackBody Temperature device scale for example if the BlackBody temperature setting is 37.5°C enter 37.5°C as per diagram below and position the BlackBody as per instructed installation setup.



BlackBody non-screening option: For better temperature screening with BlackBody, select BlackBody correction blue icon on top right corner of software, click on “Drag box” and select the BlackBody on the Thermal Imaging window and save settings. This will enable the Thermal Imager Temperature camera to ignore the temperature from the BlackBody for better temperature screening measurement.

