MinMoe Temperature Screening Terminal

Calibration Guidance

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Chapter 1 Introduction

It is recommended to calibrate the MinMoe temperature screening terminal once a year, because any aging of its electronic components would cause a deviation of the temperature measurement accuracy.

Chapter 2 Solution

Solution 1 Send the Device back to the RMA Center

Our overseas RMA centers offer calibration services to all the Hikvision MinMoe temperature screening terminals. Contact the local branch for more details.

- Covered Range: MinMoe temperature screening terminal
- Calibration Frequency: once a year
- Calibration Fee: free within warranty

Solution 2 Field Calibration

It is recommended to perform field calibrations according to the guidance for those devices that cannot be send back to the RMA center due to actual restrictions.

Note:

The field environment may not reach the standard of calibration. If the calibrated accuracy cannot meet needs, sending the device back to the RMA center.

Requirement

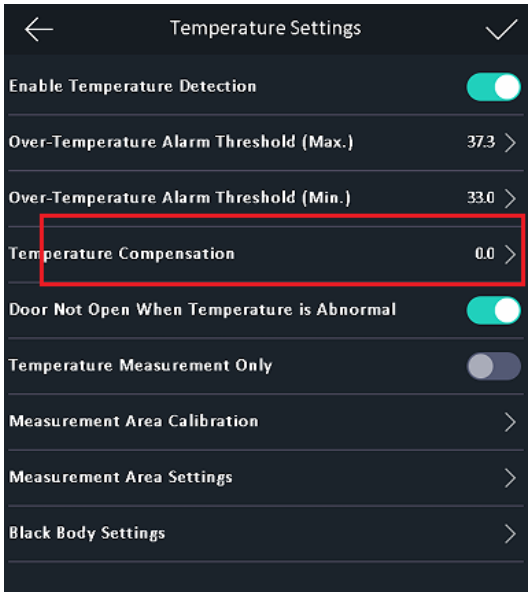
- The device should continuously work for more than or equal to 1.5 h in the room temperature.
- A group of 10 people should rest for more than or equal to 30 minutes to ensure the forehead temperature is stable. The whole forehead should be exposed and no cover or shade (like hat, helmet, etc.) is allowed during thermometry.
- Ambient Temperature: 10 °C to 35 °C (50 °F to 95 °F)
- Simple background, no high-temperature target
- Recommended stand 1 meter away between the person and device;

Step

1. Use a forehead thermometer to measure 10 people continuously at a certain distance, and mark temperatures as TB1, TB2...TB10. At the same time, marking temperatures that measured by the camera as TC1, TC2...TC10.

2. Calculate the average (TB_avg) of remaining six people after discarding two highest values and two lowest values. Similarly, calculate the average temperature (TC_avg) that measured by the MinMoe terminal by the same way.

3. δT = TB_avg - TC_avg
   If δT>0, setting Compensation Value to δT.
   If δT<0, setting Compensation Value to –δT.
   If δT=0, setting Compensation Value to 0.
4. Enter the compensation value in the text box of Manual Calibration as figure below.

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