How to Install and Configure Temperature Screening Metal Detector Door

Introduction

ISD-SMG318LT-F walk-through metal detector, adopting the thermal imagery technology, realizes non- contact temperature measurement. Face detection function of the camera makes an accurate positioning of the measurement. The detector also supports metal detection.

Product	Product Model	Note
Thermal camera	NP-SGXXXLT-F	Please upgrade camera to special firmware version Metal detector doesn't need firmware
Walk metal detector	ISD-SMG318LT-F	

Firmware download:

For thermal camera

ftp://hikftp.hikvision.com:400/Product File(Overseas)/01 All Materials of Temperature Screening Solution/04 Metal Detector Door/06 Technical Material/04 Firmware/

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Tools needed during installation

- Tape measure or other distance measuring instruments: used to determine the distance when installing equipment on site
- Common tools: one set of screwdriver, one set of inner hexagon, etc.
- Computer and network cable: used for equipment debugging and effect display

Precautions for site survey

- It can only be used indoors, at constant temperature and without wind (including natural wind, air conditioning wind, etc.) and avoid direct sunlight and high temperature interference sources
- It must be used indoors to ensure that the indoor temperature is 10℃- 35℃. If the temperature range is exceeded, the accuracy of temperature measurement cannot be guaranteed
- According to the regulations of conch thermal camera, the position of security door must be: The visible light channel has enough illumination, and avoid backlight, reflection, occlusion, etc
- Thermal camera warm-up time must exceed 30 minutes
- When the outdoor personnel enter the room, they need to take off the hats and lift up the bangs. It is recommended to wait for 3-5min then measure the temperature after the surface temperature is stable. (After strenuous exercise, the body surface temperature is unstable, which will cause inaccurate temperature measurement);
- When measuring the temperature of the human body, a person needs to stand at a distance of 1m from the fixed security gate, pass one by one, make a short stop, and face facing the camera.

A. Installation and wiring

1. Open package
1) Open package and check if all items are complete as following picture shows
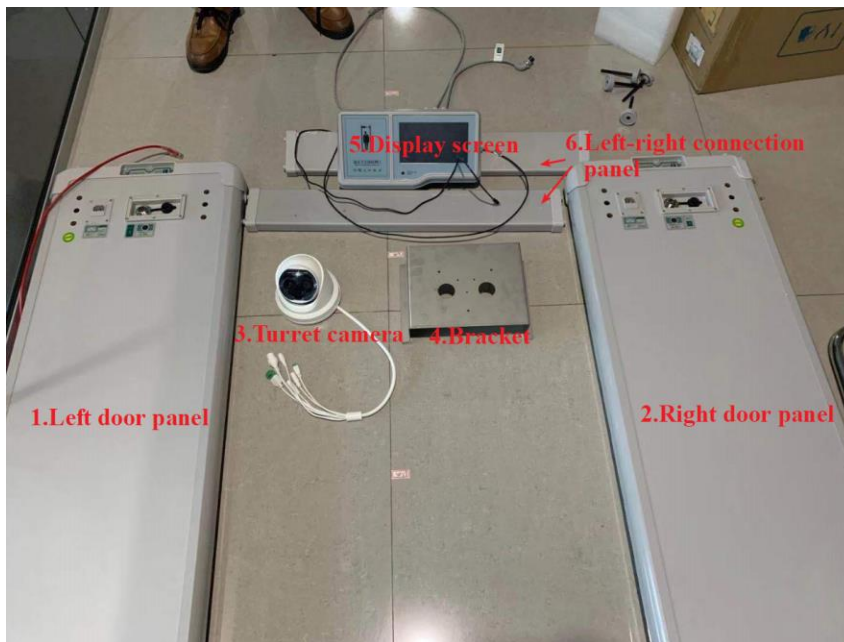
2. Fix turret camera and its bracket

1) Remove trim from turret camera and fix it on the bracket with 3 screws, then put the trim back

3. Connect left and right door panel

1) Connect left and right door panel and tighten the screw

2) After fixing door panel, connect the cable. Right side will be power cable and signal cable, the left side will be signal cable only. Pay attention to the left and right sign and do not make mistake
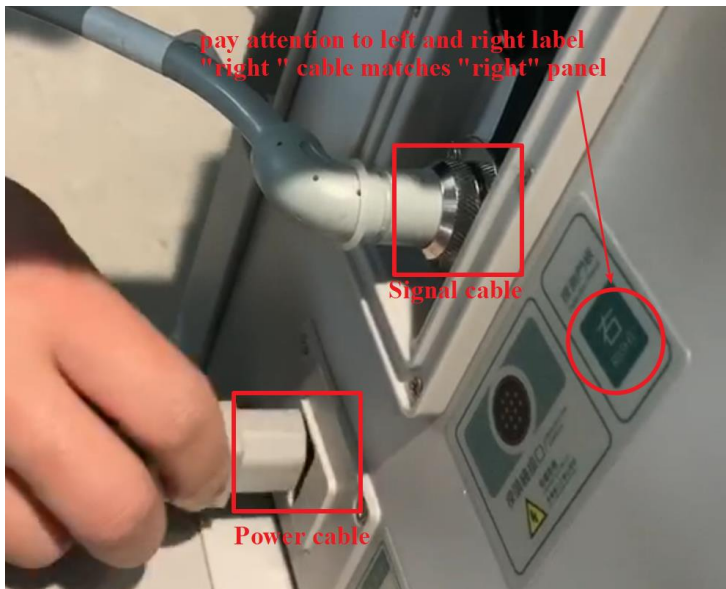
"left" cable matches "left" panel

Note:

Pay attention to the left and right sign and do not make mistake

4. Fix turret camera and its bracket

1) Remove trim from turret camera and fix it on the bracket with 3 screws, then put the trim back
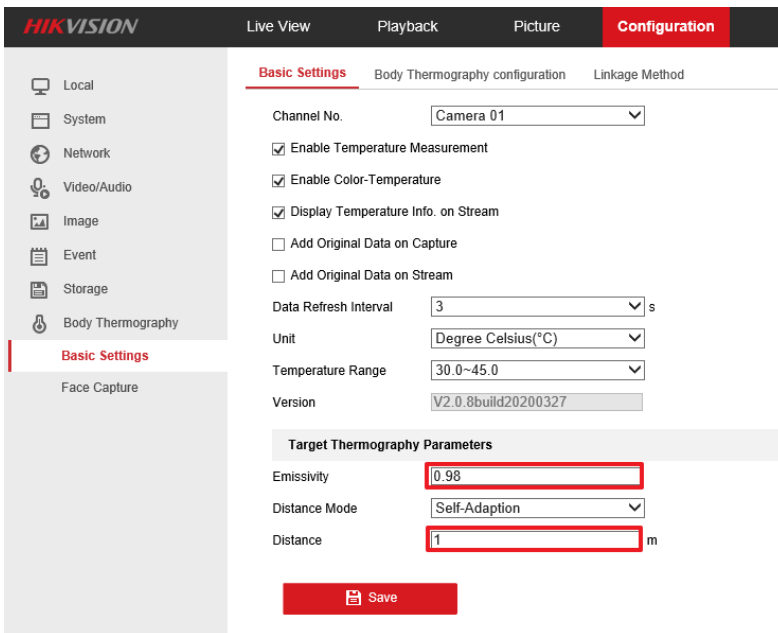

Fix 4 screws
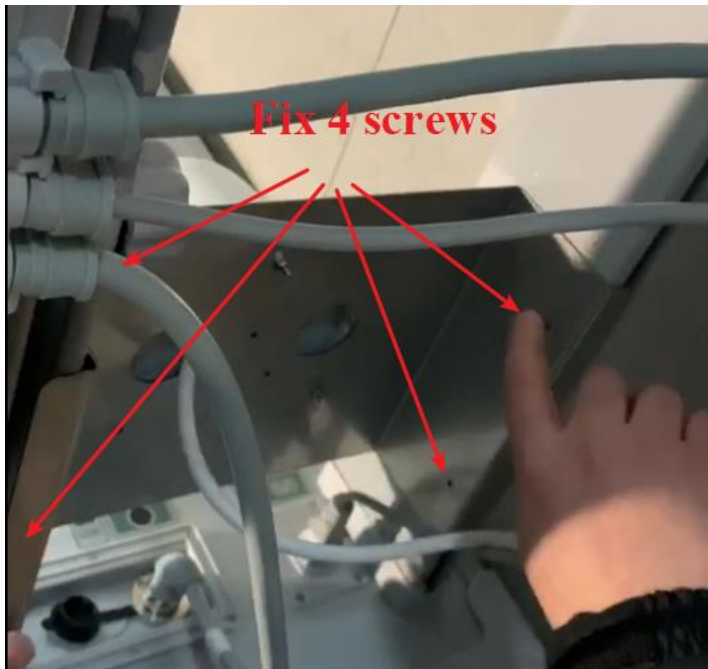
5. Connect cable of turret camera

1) Connect power cable, RS485 cable and network cable with sequence
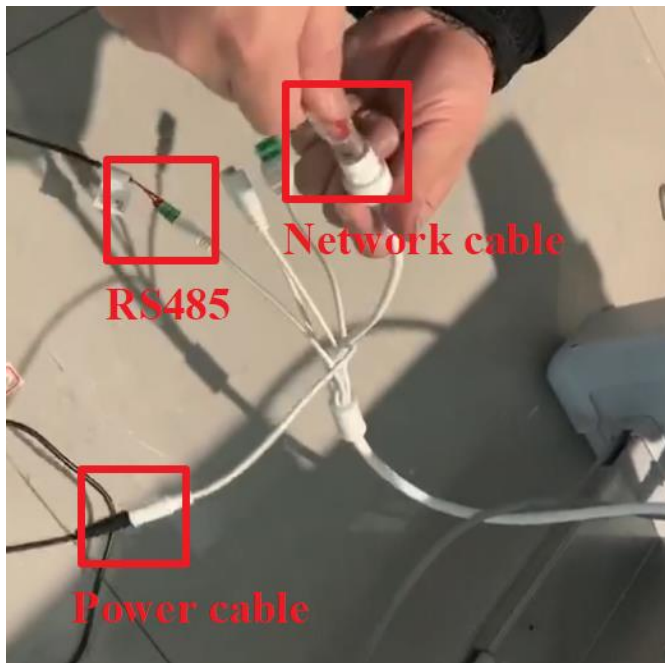
## B. Turret camera configuration

1) Use SADP tool to activate device and type in IP address on web page to log in the device. Choose 'body thermometry –basic settings-target thermometry parameters', set emissivity as 0.98 and distance as 1m, and click save.

2) Select body thermometry configuration to do alarm configuration. The alarm temperature should consider actual situation, here we set 37.5℃ as alarm temperature and 37℃ as pre-alarm temperature

Enable Face Detection: must check, enable face detection function

Display temperature: check, temperature will display on visible light channel
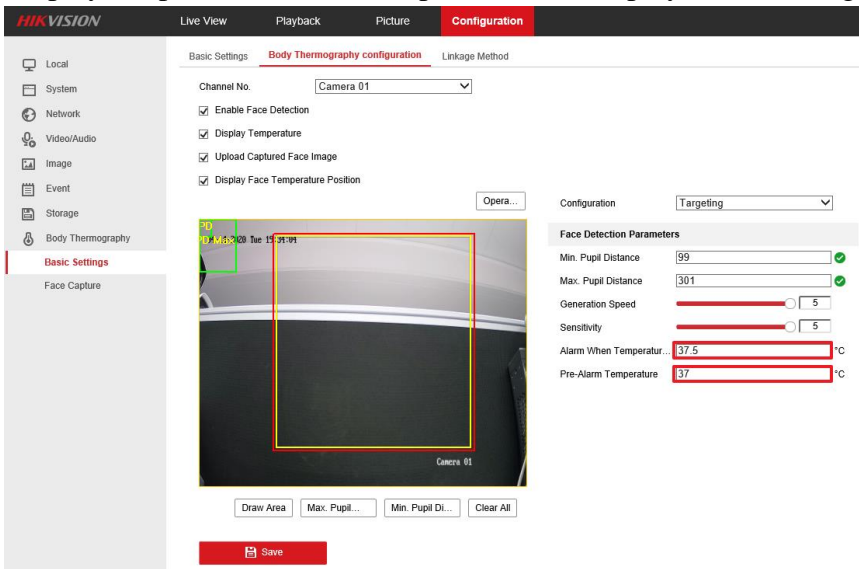
Note：**If temperature screening camera is upgraded from baseline firmware to customized firmware, please restore camera to default, then reboot both camera and metal detector door to take effect.**
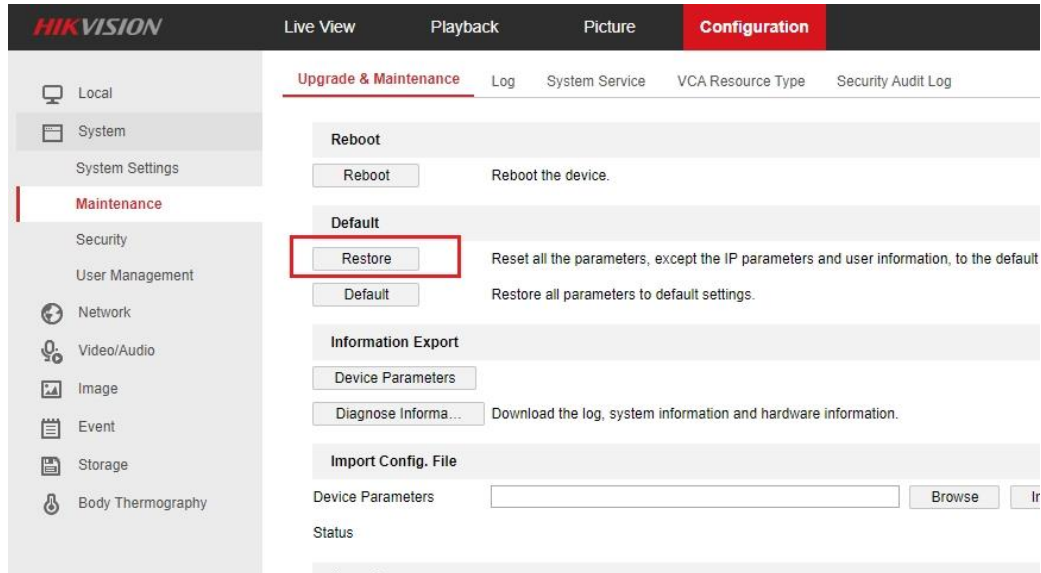
C. Test effect

1) Put the metal detector on, power on and it will do self-checking. After self-checking it is ready to work

2) If temperature is over pre-alarm threshold, the screen will display real time temperature and warning light will be on and buzzer will be triggered; if temperature is over alarm temperature, besides light and buzzer, voice prompt will be broadcasted: *temperature is abnormal, please check*

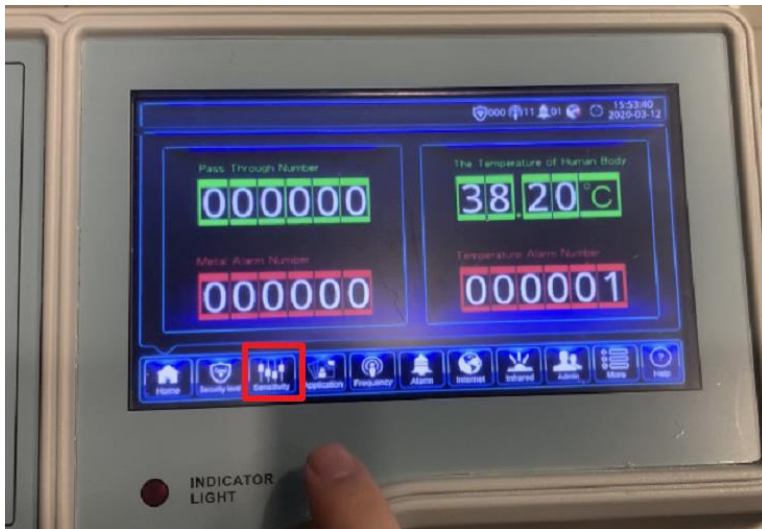| Title:	How to Install and Configure Temperature Screening Metal Detector Door	Version:	v1.0	Date:	3/27/2020
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D. How to disable metal detection function

If you want to disable metal detection alarm , you need to set sensitivity of all areas to 0. Use touch screen to set as the following picture shows

1) Click 'sensitivity'

2) log in with account 0000000

3) use "-" to set sensitivity of all area to 0

E. How to clear counting numbers

1) Click **More** on main interface

2) Log in with default account '00000000'

3) Click **clear** to clear people counting numbers
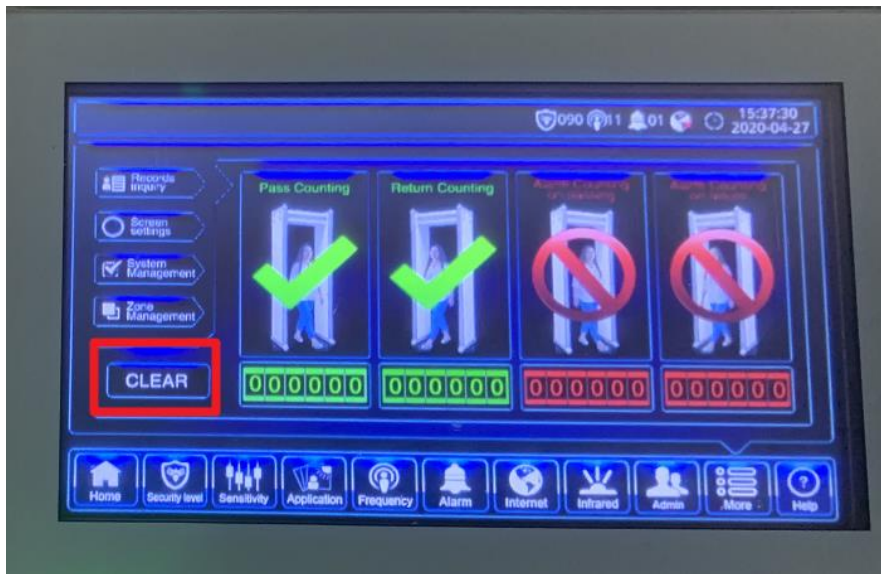
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