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ISD-SMG318LT-F Temperature Measurement Walkthrooough Metal Detector, adopting thermal imagery technology, realizes non- contact temperature measurement. The camera's face detection function accurately positions the measurement. The detector also supports metal detection.

Product	Product Model	Notes
Thermal Camera	NP-SGxxxLT-F	Please upgrade camera to special firmware version (available on Hikvision Website)
Walk Metal Detector	ISD-SMG318LT-F	Metal detector doesn't need firmware

■ **Tools Needed for Installation**

• **Tape Measure or Other Distance Measuring Instruments**: Use to determine distances when installing equipment on site

• **Common Tools:** One set of screwdrivers, one set of inner hexagon, etc.

• **Computer and Network Cable:** Use for equipment debugging and effect display

■ **Precautions for Site Survey**

• Use only indoors, at constant temperature and without wind (including natural wind, air conditioning wind, etc.) and avoid direct sunlight and high temperature interference sources.

• Ensure that the indoor temperature is 50°–95° F (10°–35° C). If the temperature range is exceeded, the temperature measurement accuracy cannot be guaranteed.

• According to the regulations of thermal camera, the position of the security door must be so that the visible light channel has enough illumination, and must avoid backlight, reflection, occlusion, etc.

• Thermal camera warm-up time must exceed 30 minutes.

• When personnel enter the room from outdoors, they need to take off hats and lift up their bangs. It is recommended to wait 3–5 minutes before measuring the temperature, once the surface temperature is stable. (After strenuous exercise, the body surface temperature is unstable, which will cause inaccurate temperature measurement.)

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- When measuring human body temperature, a person needs to stand at a distance of 3' 4" (1 meter) from the fixed security gate, pass through one-by-one, stop briefly, and face the camera.

■ **Installation and Wiring**

1. Open package.

    1) Open package and check if all items are complete, as the following picture shows.
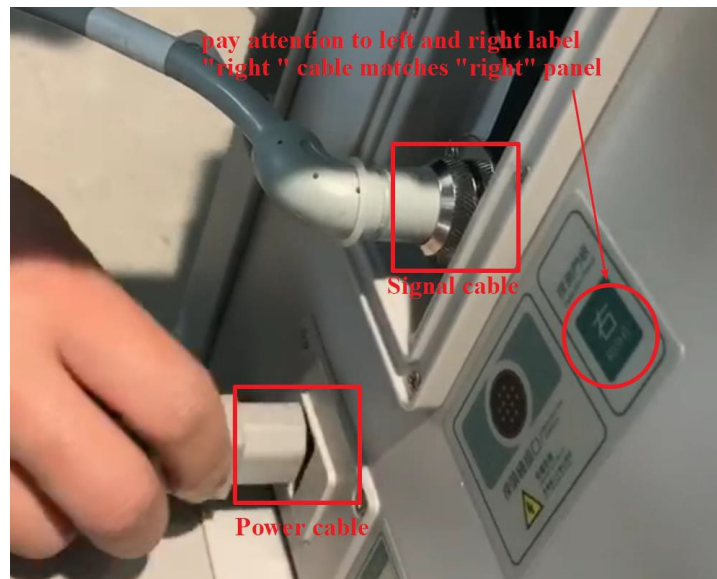

2. Connect the left and right door panels.

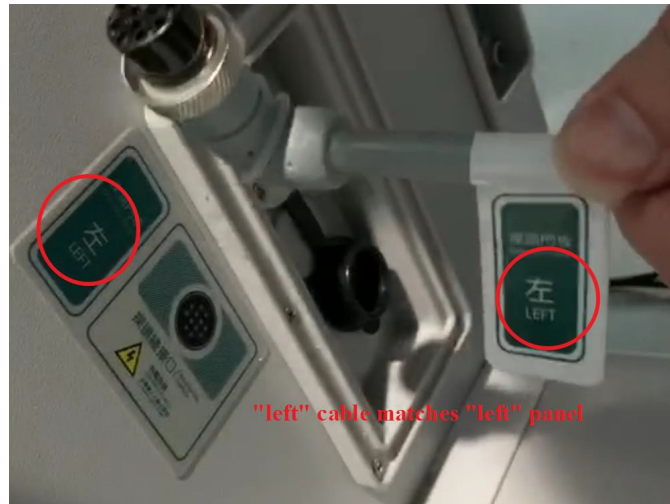   1) Connect the left and right door panels and tighten the screw.

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2) After connecting the door panels, connect the cable. The right side will be the power cable and signal cable, the left side will be the signal cable only. Pay close attention to the left and right signs, and make sure the correct cables are connected to each side.

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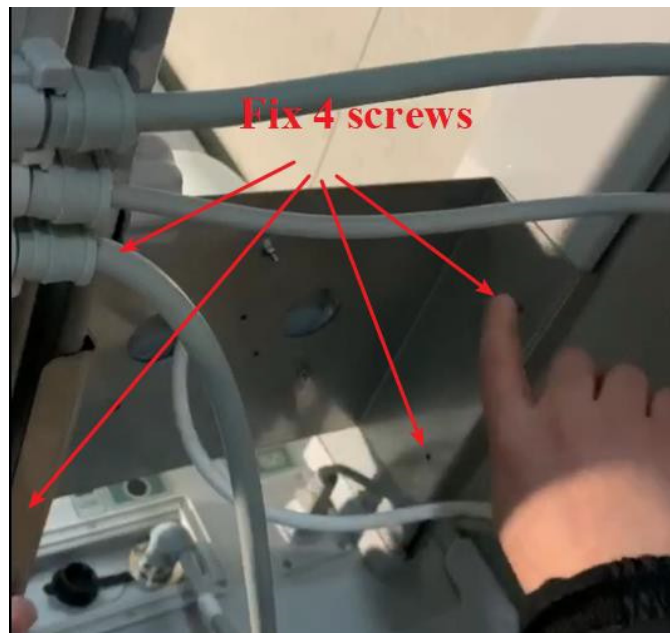"left" cable matches "left" panel

> **NOTE:** Make sure to pay attention to the left and right signs and connect the correct cables.

3. Connect the camera to its bracket.

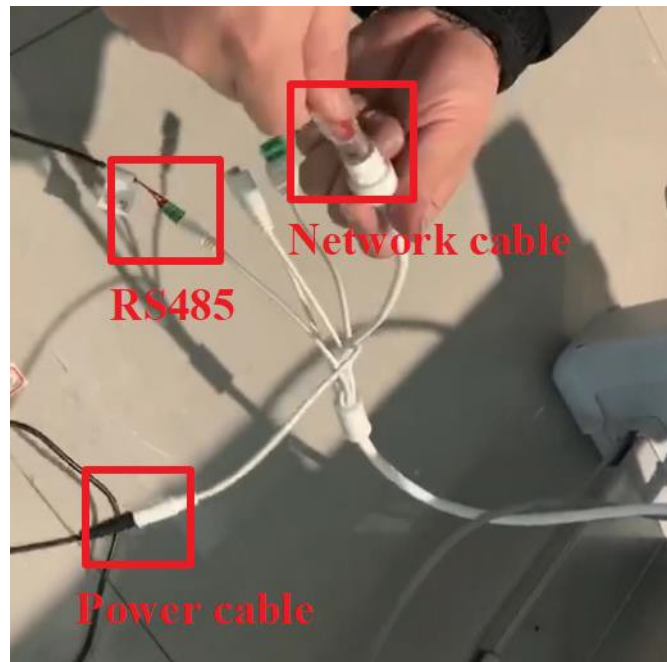   1) Remove trim from the camera and fix it on the bracket with three screws, then replace the trim.

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Remove the trim

Fix 4 screws

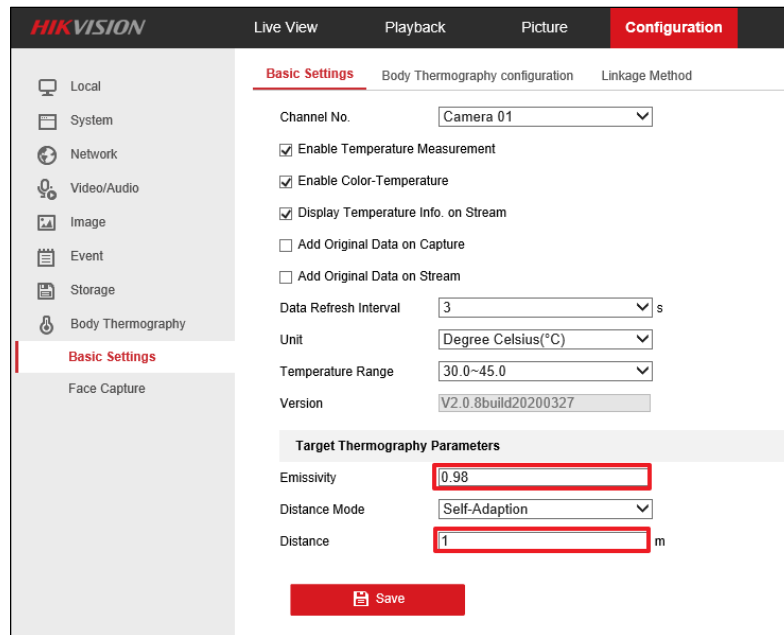| Title:	QSG ISD-SMG318LT-F Temperature Measurement Walkthroough Metal Detector	Version:		Date:	071020
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4. Connect the camera cable.

1) Connect power cable, RS-485 cable, and network cable.
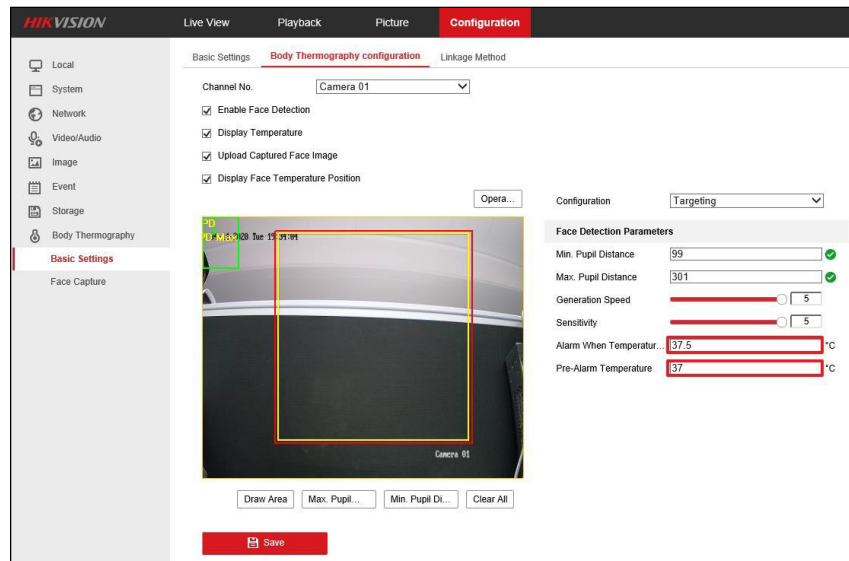

■ **Turret Camera Configuration**

1. Use the SADP tool to activate the device and type in the IP address on a Web page to log in to the device. Choose "**body thermometry–basic settings-target thermometry parameters**," set emissivity as **0.98** and distance as **1 m**, and click **Save**.

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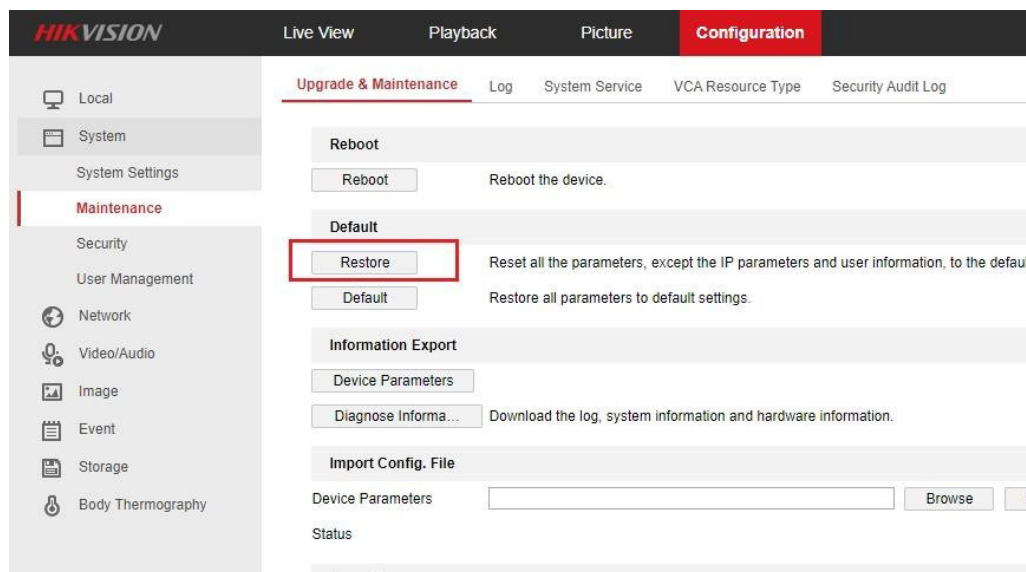| Title:	QSG ISD-SMG318LT-F Temperature Measurement Walkthrooough Metal Detector	Version:		Date:	071020
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2. Set the body thermometry configuration to do alarm configuration. The alarm temperature should consider the actual situation; here we set 37.5° C as the alarm temperature and 37° C as the pre-alarm temperature.

3. Check the **Enable Face Detection** checkbox. Display temperature: check, temperature will display on the visible light channel.

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NOTE: If temperature screening camera is upgraded from baseline firmware to customized firmware, restore the camera to the defaults, then reboot both the camera and the metal detector door to take effect.
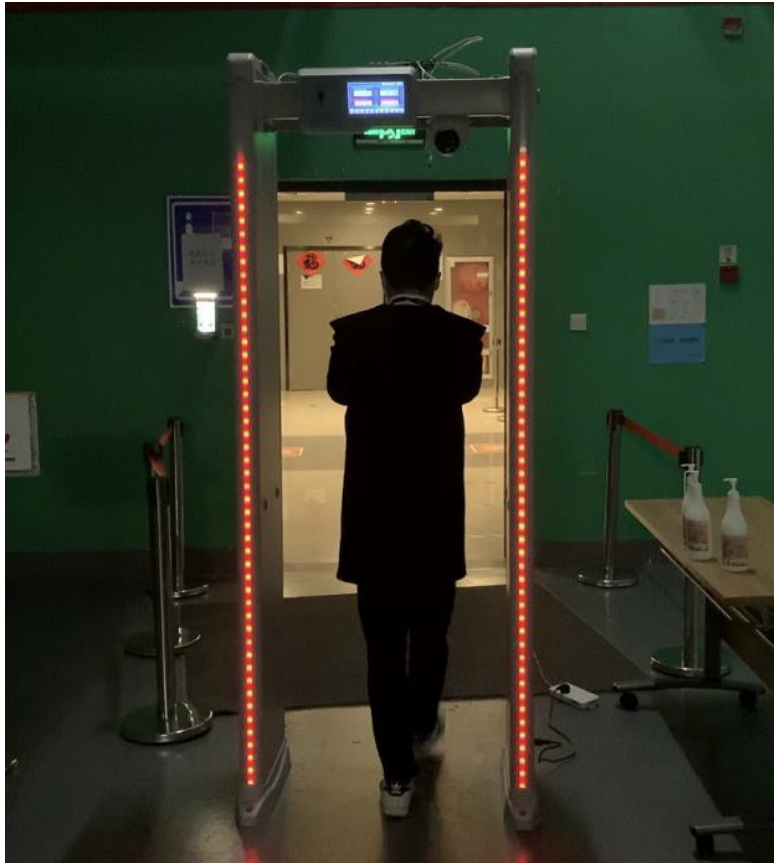
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■ **Test Effect**

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

2. If the temperature is over the pre-alarm threshold, the screen will display real-time temperature, a warning light will be on, and a buzzer will be triggered. If the temperature is over the alarm temperature, besides the light and buzzer, a voice prompt will be broadcast, "temperature is abnormal, please check."
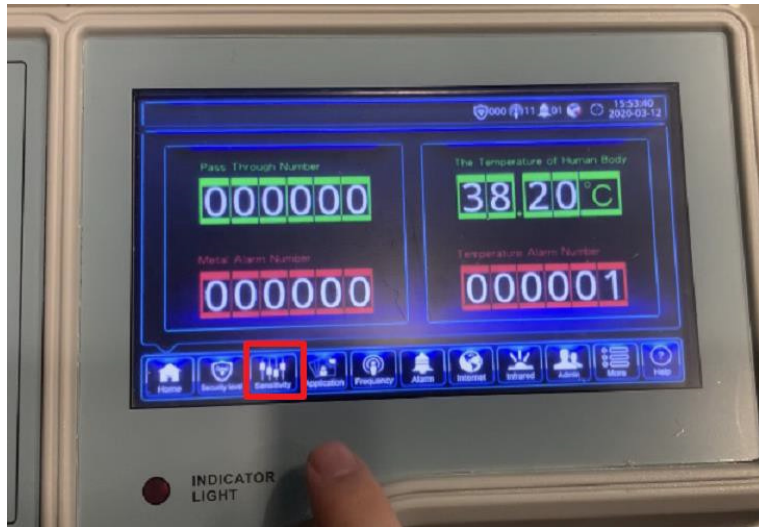
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■ **How To Disable Metal Detection Function**

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

1. Click "Sensitivity."

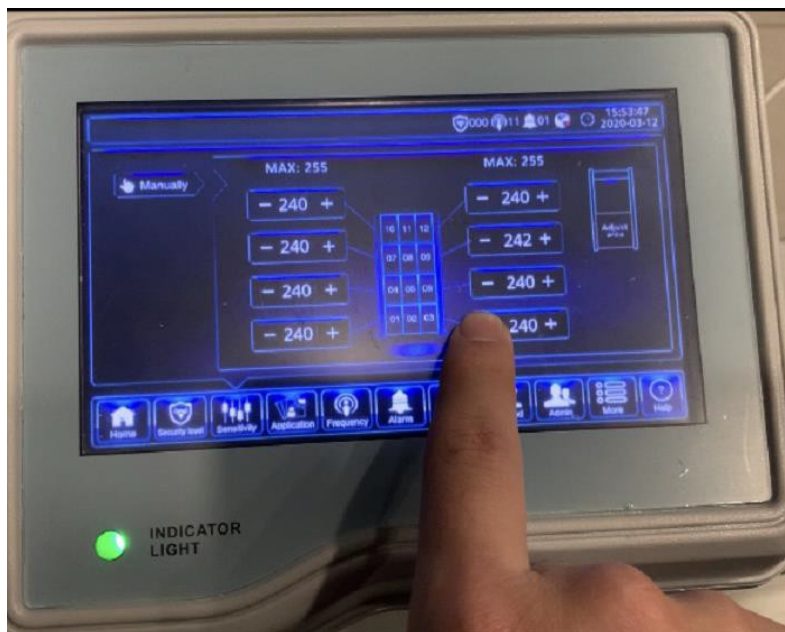| Title:	QSG ISD-SMG318LT-F Temperature Measurement Walkthroough Metal Detector		Version:		Date:	071020
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2. Log in with account "0000000."

3. Use "-" to set sensitivity of all areas to "0."

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■ **How To Clear Counting Numbers**

1. Click **More** on the main interface.

2. Log in with default account "00000000."

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3. Click **CLEAR** to clear the people counting numbers.

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