

Title:	How to install and configure ISD-SMG318LT-F Walk-	Version:	v1.0	Date:	3/27/2020
	through Temperature Detector				
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# Temperature Measurement Walk-Through Detector Installation&Configuration Guide

#### 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	DS-2TD1217-B	Please upgrade camera to special firmware version
Walk metal detector	ISD-SMG318LT-F	Metal detector doesn't need firmware

#### Firmware download:

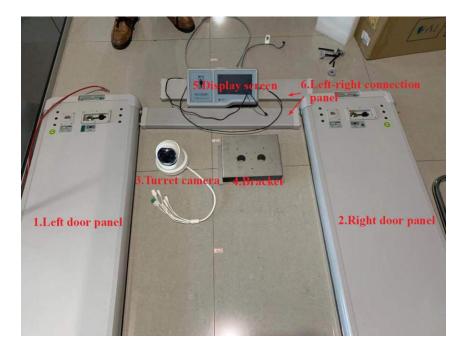
For thermal camera

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

### 1. Open package

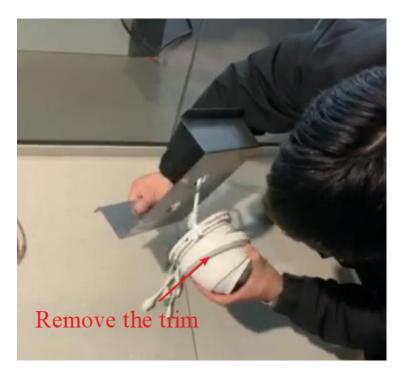
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1) Open package and check if all items are complete as following picture shows



### 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





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### 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





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

#### 4. Fix turret camera and its bracket

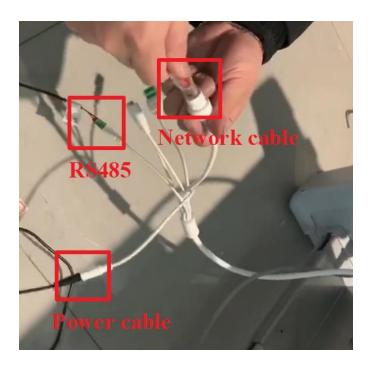
1) Remove trim from turret camera and fix it on the bracket with 3 screws, then put the trim back



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# 5. Connect cable of turret camera

1) Connect power cable, RS485 cable and network cable with sequence



#### 6. Configure turret camera

 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



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	VISION	Live View	Playback	Picture	Configuration		
	Local	Basic Settings	Body Thermograp	hy configuration	Linkage Method		
	System	Channel No.	Came	ra 01	$\checkmark$		
Ø	Network	🖌 Enable Tem	perature Measureme	ent			
.Q.	Video/Audio	Enable Colo	r-Temperature				
1	Image	🖌 Display Tem	perature Info. on Str	eam			
圁	Event	Add Original	Add Original Data on Capture				
8	Storage		Data on Stream				
6	Body Thermography	Data Refresh Ir			✓ s		
-	Basic Settings	Unit		e Celsius(°C)	~		
	Face Capture	Temperature R Version	-	45.0 build20200327	~		
		Target Ther	mography Paramet	ers			
		Emissivity	0.98				
		Distance Mode	Self-A	daption	~		
		Distance	1		m		
		E	Save				

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

HIKVISION	Live View	Playback	Picture	Configuration		
🖵 Local	Basic Settings	Body Thermograp	hy configuration	Linkage Method		
System	Channel No.	Camer	ra 01	~		
Network	Enable Fa	ce Detection				
Video/Audio	🗹 Display Te	emperature				
image	Upload Ca	ptured Face Image				
Event	Display Face Action 1 - Control of Contro	ice Temperature Positi	ion			
Storage				Opera	Configuration	Targeting 🗸
Body Thermograp	hy PDMMas2428 Tu	e 19 <mark>:39:09</mark>			Face Detection Paramet	ers
Basic Settings					Min. Pupil Distance	99
Face Capture					Max. Pupil Distance	301
	<u> </u>				Generation Speed	
					Sensitivity	5
				1	Alarm When Temperatur.	
					Pre-Alarm Temperature	37
				Canera 01		
				/		
	Dra	w Area Max. Pupi	I Min. Pupi	I Di Clear All		

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**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.

HII	VISION	Live View	Playback	Picture	Configuration	
Ā	Local	Upgrade & Main	tenance Log	3 System Service	VCA Resource Type	Security Audit Log
	System	Reboot				
	System Settings	Reboot	Re	boot the device.		
	Maintenance	Defeut				
	Security User Management	Default Restore Default		set all the parameters, store all parameters to		and user information, to the default
© 6:	Network Video/Audio	Information	Export			
50	Image	Device Par	ameters			
▤	Event	Diagnose I	nforma Do	wnload the log, system	information and hardware	information.
B	Storage	Import Con	ifig. File			
\$	Body Thermography	Device Param	eters			Browse
		Status				

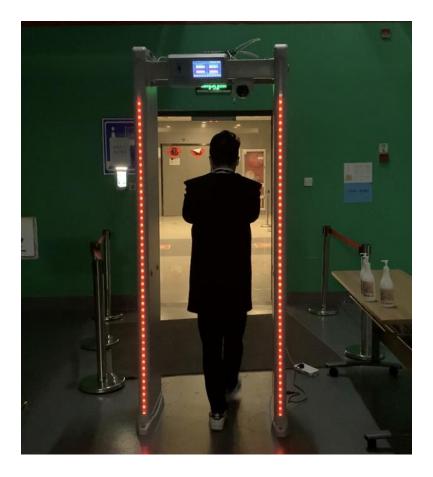
#### 7. Test effect

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



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Troudett	Wait the bugh temperature detector			Tuger	0 01 10

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* 



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### Appendix A: 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 000000



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



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### **Appendix B: Site survey Precautions**

- 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°C- 35°C. 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.



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