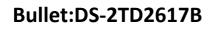
# **Temperature Screening** Thermal Camera Installation & Configuration Guide







Turret:DS-2TD1217B

Temperature measurement range:  $30-45^{\circ}$ C Working temperature:  $10-35^{\circ}$ C Accuracy:  $\pm 0.5^{\circ}$ C Resolution:  $160 \times 120$ 

HIKVISION

## Installation-Tripod quick temporary deployment





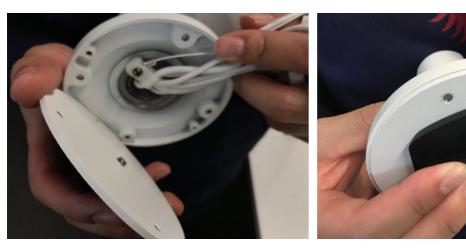
Tripod Adapter For Turret

Tripod Adapter for Bullet





A. Tripod connector fixed on the adapter



B. Fix the adapter on the camera



C. Install the camera on the tripod

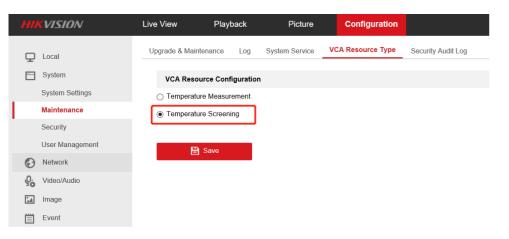


Installation Parameter Recommended					
Model	Distance (between human&camera)				
DS-2TD1217B-3/PA	0.0.1.5.				
DS-2TD2617B-3/PA	- 0.8-1.5m				
DS-2TD1217B-6/PA	1 5 2				
DS-2TD2617B-6/PA	- 1.5-3m				
Model	Height	Elevation angle			
DS-2TD1217B-3/PA		1200			
DS-2TD2617B-3/PA					
DS-2TD1217B-6/PA	1.5m	≤20°			
DS-2TD2617B-6/PA					

D. Installation complete



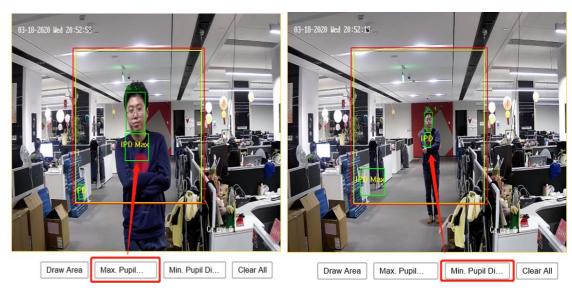
**1**.Select **Temperature Screening** as VCA Resource Type.



**2**. Go to Local Configuration interface, enable and save the following settings:

HIN	VISION	Live View	Playback	Picture	Configura	tion	
₽	Local	Live Vie	w Parameters				
	System	Protoc	bl	• TCP	O UDP	○ MULTICAST	⊖ HTTP
Ð	Network	Play P	erformance	⊖ Shortest Delay	Balanced	○ Fluent	
.Q.	Video/Audio	Rules		<ul> <li>Enable</li> </ul>	O Disable		
1	Image	Display	POS Information	○ Enable	Disable		
Ë	Event	Auto S	tart Live View	⊖ Yes	No		
₿	Storage	Image	Format	JPEG			
6	Temperature Screening	Display	Rules Info. on Ca	.   Yes	🔿 No		
		Display	Temperature Info.	Yes	⊖ No		
		Display	r Temperature Info	.   Yes	⊖ No		

Set Alarm Temp. and Pre-alarm Temp. Press Draw Area to adjust face detection region. Click Max. Pupil Distance and Min. Pupil Distance to draw width filter frame, Max and Min distance refer to camera detection distance.



#### 5. Configure Camera 02 (Thermal) Settings.

Basic Settings	Temperature Screening Configuration	Linkage Method	
Channel No.	Camera 02	~	
07-18-	2020 Wed 20:53:41	•	Black Body Parameters
03-10-	2020 WEU 20.33.11		Enable Blackbody Correction

**3**. Go to Temperature Screening **Basic Settings.** Configure and save the following settings:

НП	<b>KVISION</b>	Live View	Playback	Picture	Configuration			
Ţ	Local	Basic Settings	Temperature Scree	ning Configuration	Linkage Method			
	System	Channel No.	Camera	a 01	$\checkmark$			
Ð	Network	Enable Temperature Measurement						
<u>.0</u> .	Video/Audio	Enable Color-Temperature						
1	Image	🗹 Display Tem	☑ Display Temperature Info. on Stream					
圁	Event	Add Original	Add Original Data on Capture					
B	Storage	Add Original	☐ Add Original Data on Stream					
<u>ل</u>	Temperature Screening	Data Refresh In	iterval 3	Degree Celsius(°C)				
	Basic Settings	Unit	Degree					
Face Capture		Temperature R	ange 30.0~45	30.0~45.0				
		Version	V2.0.8b	uild20200429				
		Target Ther	mographic Paramete	rs				
		Emissivity	0.98					
		Distance Mode	Self-Ad	aption	$\checkmark$			
		Distance	2		m			
			Save					

**Emissivity**: For human skin, this value is normally set as 0.98.

**Distance Mode**: Select **Self-Adaption** or **Fixed Distance** as distance mode during measurement.

**Distance:** The actual distance between the camera and human.

#### 4. Configure Camera 01 (Optical) Settings.

<b>HIKVISION</b>	Live View	Playback	Picture	Configuration			
🖵 Local	Basic Setting	S Temperature Screeni	ng Configuration	Linkage Method			
E System	Channel N	o. Camera	a 01	~			
Network	🗹 Enable	Face Detection					
Video/Audio	Display	/ Temperature					
🔝 Image	Upload	I Captured Face Image					
Event	Display	Face Temperature Position	on				
Storage				Opera	Configuration	Targeting	~
Temperature \$	creening P3-M=3/2	9 Wed 20:59:28		-/	Face Detection Paramete	rs	
Basic Setting	s			1	Min. Pupil Distance	40	0
Face Capture					Max. Pupil Distance	312	0
			- 14		Generation Speed		0 5
					Sensitivity		0 5
					Alarm When Temperatur		°C
	u		1 4 m T		Pre-Alarm Temperature	37	°C
		Draw Area Max. Pupil	Min. Pupil	Di Clear All			
		🖹 Save					

Check Enable Face Detection and Display Temperature. Check Upload Captured Face Image and Display Face Temperature Position if needed.



Uncheck Enable Blackbody Correction If no blackbody is used. Check Enable of Body Temperature Compensation and keep parameters as default.

#### 6. Configure Face Capture.

HII	VISION	Live View	Playback	Picture	Configuration
Ţ	Local	Overlay & Capture	Shield Region	Advanced Conf	iguration
	System	Face Capture Ve	v1.1.0b	ouild20200214	
Ð	Network	Capture Para	meters		
<u>0</u> .	Video/Audio	Vpload Fea	ature		
<u>*</u>	Image	Best Shot			
Ë	Event	Capture Times	; ()		1
₿	Storage	Capture Thres	hold —	0	20
6	Temperature Screening	Quick Shot			
	Basic Settings	Quick Shot Th	reshold	0	70
	Face Capture	Max. Capture	Interval 🔿		<b>5</b> s
		Capture Times	s O Un	limited	Limited 1
		E Facial Post	ure Filter		
		Rotational Ang	le-Left		0 70
		Rotational Ang	le-Right		70
		Deflection Ang	le-Upper		50
		Deflection Ang	le-Lower		50
		If Face Posture	e Filter is enabled, t	he camera may not	capture the qualified image.
		No Wearing M	lask Linkage		
		🗌 Normal I	Linkage		
		Audible V	Varning		

Check **Upload Feature** to upload mask detection info. to IVMS-4200 event details and AI Dashboard interface.

**Best Shot**: If a face image score never reaches threshold and no abnormal temperature is detected, no face capture will be uploaded.

**Quick Shot**: At least one face capture will be uploaded even if it is a low-quality face image.

It is recommended to use **Quick Shot** mode for better response performance, and use **Best Shot** if high quality image is required for comparing.

The **No Wearing Mask Linkage** is disabled by default. Check **Audible Warning** (Devices with /PA) as needed.



The environment would easily influence the performance of thermal camera. Therefore, it is required to be used in a stable indoor environment without wind, and the ambient temperature should be consistent. Here's some advice:

- 1. Set up a one-way screening zone, and ensure that camera can clearly see the face of person whose skinsurface temperature is being measured.
- 2. Avoid backgrounds that are too crowded or bright.
- 3. 90 minutes after turn on the camera, then go skin-surface temperature measurement, because the camera itself needs to be steady first.
- 4. If there is a large gap between indoor and outdoor temperature, it is highly suggested to wait more than 5 minutes then measure skin-surface temperature of whom just got in.
- 5. Follow the guidance of required temperature measurement distance.

### See far, go further