Fever Screening Thermal Camera Installation & Configuration Guide



×





Turret:DS-2TD1217B

Temperature measurement range: 30-45°C Working temperature: 10-35°C Accuracy: ±0.5°C **Resolution**: 160×120

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



D. Installation complete

Installation Parameter Recommended						
Model	Distance (between human&camera)					
DS-2TD1217B-3/PA	0.8.1.5m					
DS-2TD2617B-3/PA	0.8-1.5m					
DS-2TD1217B-6/PA	- 1.5-3m					
DS-2TD2617B-6/PA						
Model	Height	Elevation angle				
DS-2TD1217B-3/PA						
DS-2TD2617B-3/PA						
DS-2TD1217B-6/PA	1.5m	≤20°				
DS-2TD2617B-6/PA						

Configuration

1.Select **Body Thermography** as VCA Resource Type.

HIKVISION	Live View	Playbac	ck	Picture		Configuration		
🖵 Local	Upgrade & Mai	ntenance L	Log	System Service	VCA	A Resource Type	Security Audit Log	
System	VCA Res	VCA Resource Configuration						
System Settings	○ Temperation	ture Measurem	ent					
Maintenance	 Body The 	ermometry		ר				
Cit -								

4. Configure Camera 01 (Optical) Settings.

HII	VISION	Live View	Playback	Picture	Configuration			
Q	Local	Basic Settings	Body Thermometry	Configuration	Linkage Method			
	System	Channel No.	Camera	01	~			
Ð	Network	Enable Factor	ce Detection					
Q.	Video/Audio	Display Te	mperature					
1	Image	Upload Ca	ptured Face Image					
Ē	Event	🗌 Display Fa	ce Temperature Positio	n				
	Storage				Opera	Configuration	Targeting	\checkmark
\$	Body Thermometry	PD3-18-2020 Ne	d 20:59:28		-/	Face Detection Paramete	rs	
	Basic Settings		-			Min. Pupil Distance	40	0
	Face Capture					Max. Pupil Distance	312	0
						Generation Speed	O [5
		I N K W				Sensitivity		5
					1.	Alarm When Temperatur	37.5	°C
						Pre-Alarm Temperature	37	°C

	User Management	😫 Save	
Ð	Network		

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

HIK	VISION	Live V	iew Playback	Picture	Config	uration
P	Local	1	ive View Parameters			
	System		Protocol	TCP		○ MULTICAST ○ HTTP
Ð	Network		Play Performance	⊖ Shortest Delay	Balanced	○ Fluent
<u>Q</u> .	Video/Audio		Rules	 Enable 	⊖ Disable	
1	Image		Auto Start Live View	⊖ Yes	No	
Ë	Event		Image Format	JPEG	⊖ BMP	
B	Storage		Display Rules Info. on Ca	Yes	⊖ No	
\$	Body Thermometry		Display Temperature Info.	Yes	⊖ No	
			Display Temperature Info	Yes	⊖ No	

3. Go to Body Thermography **Basic Settings.** Configure and save the following settings:

HIKVISION	Live View	Playback	Picture	Configur	ation						
Local	Basic Settings	Body Thermometry Cor	0	inkage Method							
Network		ature Measurement									
Video/Audio	Enable Color-Te	rature Info. on Stream]								
Event		 ☐ Add Original Data on Capture ☐ Add Original Data on Stream 									
 Storage Body Thermometry 	Data Refresh Inter Unit	val 3 Degree Cel		✓ s							
	Temperature Rang Version			~							
Target Thermometry Parameters											
	Emissivity	0.98									
	Distance	1.0		m							
	🗎 S	ave									

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

Distance: The actual distance between the camera and measured object.



Check Enable Face Detection and Display Temperature. Suggest uncheck Upload Captured Face Image and Display Face Temperature Position if its not a must.

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.



Draw Area Clear All

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



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 body temperature is being measured.

- 2. Avoid backgrounds that are too crowded or bright.
- 3. 30 minutes after turn on the camera, then go body 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 body temperature of whom just got in.
- 5. Follow the guidance of required temperature measurement distance.

See far, go further