# Fever Screening Thermal Camera Installation & Configuration Guide

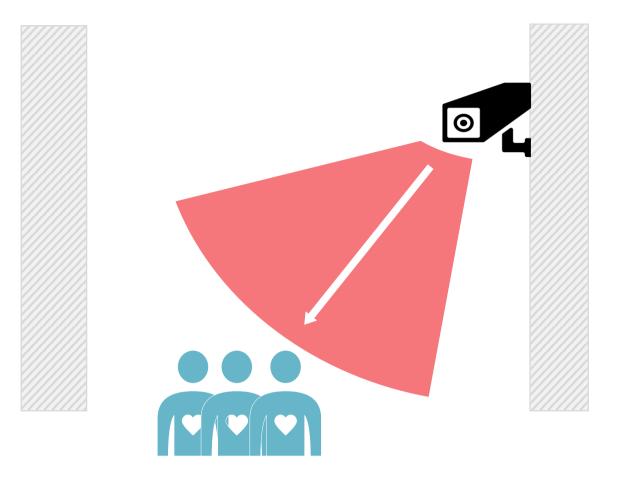


DS-2TD2636B/2637B

**Temperature measurement range**: 30-45°C Working temperature: 10-35°C Accuracy: ±0.5°C **Resolution**:384 × 288

HIKVISION

## **Installation-**Wall-mounted deployment



### Installation Parameter Recommended

•	istantion rarameter recon	menaca	
Model	Distance (between human&camera)	Height	Elevation angle
DS-2TD2637B-10/P	2-7m	2.5m	≤20°
DS-2TD2636B-15/P	2.5-9m		



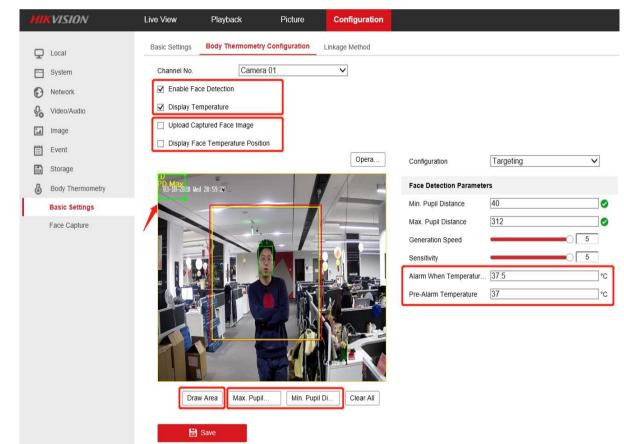
#### **1**.Select **Body Thermography** as VCA Resource Type.

HIK	VISION	Live View	Playback	Picture	Configuration	
Ţ	Local	Upgrade & Main	tenance Log	System Service	VCA Resource Type	Security Audit Log
	System	VCA Reso	urce Configuratio	on		
	System Settings	⊖ Temperatu	ire Measurement			
	Maintenance	Body Then	mometry			
-	Security					
	User Management		Save			
G	Network					

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

HII	VISION	Live View	Playback	Picture	Configuratio	n	
Ð	Local	Live View	Parameters				
	System	Protocol	۲	TCP	) UDP	○ MULTICAST	⊖ HTTP
Ð	Network	Play Perf	ormance	Shortest Delay	Balanced	○ Fluent	
Q. 20	Video/Audio	Rules	۲	Enable	Disable		
<u>**</u>	Image	Auto Star	t Live View 🛛	Yes	No		
圁	Event	Image Fo	ormat 💿	JPEG	⊖ BMP		
5	Storage	Display R	tules Info. on Ca… ⊚	Yes	⊃ No		
6	Body Thermometry	Display T	emperature Info. 💿	Yes	🔿 No		
		Display T	emperature Info )	Yes	🔿 No		

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



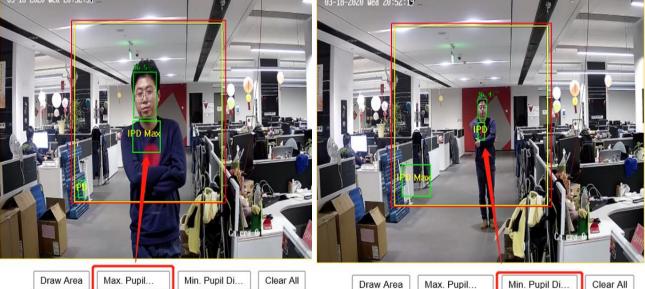
Check Enable Face Detection and Display Temperature. Suggest uncheck Upload Captured Face Image and Display Face Temperature Position if its not a must. Set Alarm Temp. and Pre-alarm Temp. Press Draw Area to adjust face detection region. Click Max. Pupil Distance and Min. Pupil Distance to draw width filter frame, Max and Min distance refer to camera detection distance.

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

	HI	VISION	Live View	Playback	Picture	Configuration
	Ţ	Local	Basic Settings	Body Thermometry Co	onfiguration Li	nkage Method
		System	Channel No.	Camera 0	2	~
	Ð	Network	Enable Temp	perature Measurement	]	
	<u>0</u> .	Video/Audio	Enable Color	r-Temperature		
	1	Image	🗹 Display Tem	perature Info. on Stream	]	
	圁	Event	Add Original	Data on Capture		
	8	Storage	Add Original	Data on Stream		
Ľ	8	Body Thermometry	Data Refresh In			✓ s
Ľ			Unit	Degree Ce	elsius(°C)	$\sim$
			Temperature Ra	ange 30.0~45.0		$\sim$
			Version	V2.0.7build	d20200210	
			Target Therr	nometry Parameters		
			Emissivity	0.98		
			Distance	1.0		m
				Save		

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

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



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

			~	Camera 02	annel No.
		Black Body Parameters	•	led 20.53.41	03-18-2020 Wed
	ection	Enable Blackbody Corre		eu 20.33.11	5-10-2020 wea
m (	3	Distance		36.67	
°C	40	Temperature			
0	0.97	Emissivity			-
~	Auto	Body Temperature Compe	-		1
	0.8				
°C		Manual Calibration		the 1	
2° 2°	0				
	0 Auto	Environmental Temperat	Camera 02	1000	

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 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 and height.

