HIKVISION

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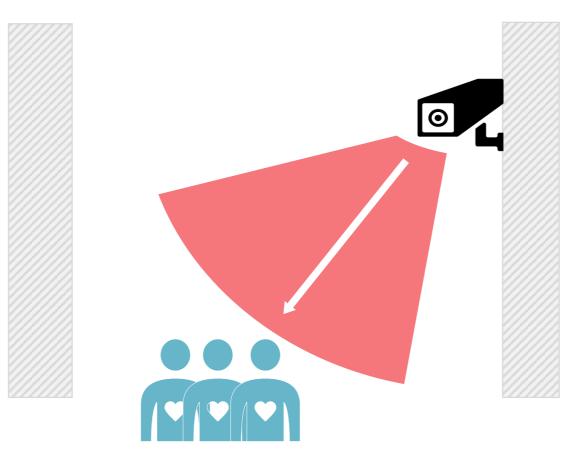
Temperature Screening Thermal Camera Installation & Configuration Guide



DS-2TD2636B/ DS-2TD2637B

Temperature measurement range: $30-45^{\circ}$ C Working temperature: $10-35^{\circ}$ C Accuracy: $\pm 0.5^{\circ}$ C Resolution: 384×288

Installation-Wall-mounted deployment

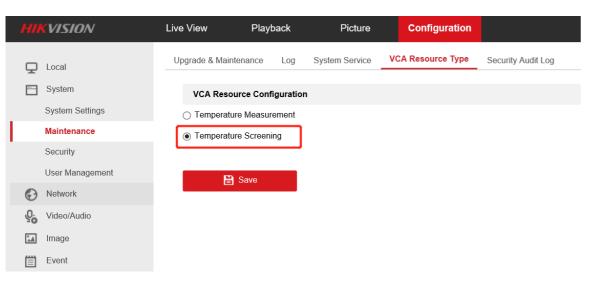


Installation Parameter Recommended

Model	Distance (between human&camera)	Height	Elevation angle
DS-2TD2637B-10/P	2-7m		
DS-2TD2636B-13/P	2.5-7m	2.5m	≤20°
DS-2TD2636B-15/P	2.5-9m		



1.Select Temperature Screening as VCA Resource Type.

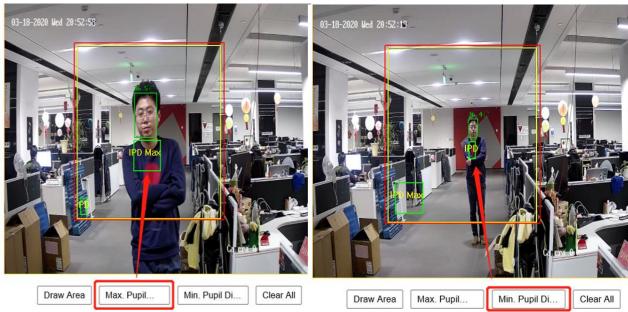


2. Go to Local Configuration interface, enable and save the following settings:

HII	VISION	Live V	iew Playback	Picture	Configurati	on	
P	Local		Live View Parameters				
	System		Protocol	• TCP		O MULTICAST	HTTP
Ð	Network		Play Performance	⊖ Shortest Delay	Balanced	○ Fluent	
Q. •	Video/Audio		Rules	Enable	O Disable		
<u>**</u>	Image		Display POS Information	 Enable 	Disable		
圁	Event		Auto Start Live View	⊖ Yes	No		
	Storage		Image Format	JPEG			
6	Temperature Screening		Display Rules Info. on Ca.		⊖ No		
			Display Temperature Info.	Yes	⊖ No		
			Display Temperature Info.	. Yes	⊖ No		

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

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



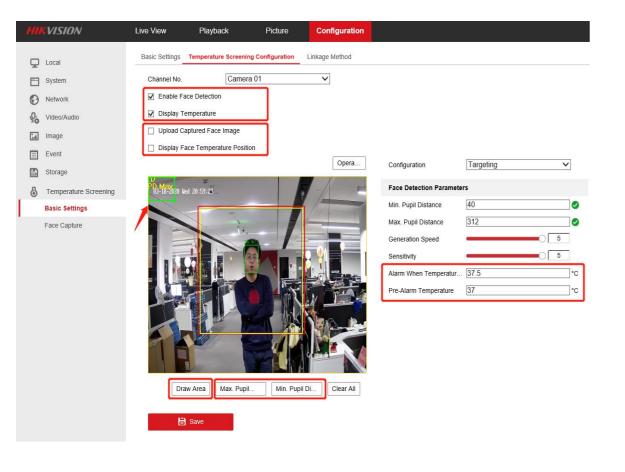
HII	VISION	Live View	Playback	Picture	Configuration			
	Local	Basic Settings	Temperature Screer	ning Configuration	Linkage Method			
	System	Channel No.	Camera	01	~			
Ø	Network	Enable Tem						
<u>.0.</u>	Video/Audio	Enable Color-Temperature						
-0	Image	 Display Temperature Info. on Stream Add Original Data on Capture Add Original Data on Stream 						
	Event							
	Storage							
E م	Temperature Screening	Data Refresh Ir	nterval 3		∨ s			
6		Unit	Degree	Celsius(°C)	\checkmark			
	Basic Settings	Temperature R	ange 30.0~45	.0	\checkmark			
Face Capture		Version	V2.0.8bu	uild20200429				
		Target Ther	mographic Parameter	rs				
		Emissivity	0.98					
		Distance Mode	Self-Ada	aption	~			
		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.



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		
	Local	Overlay & Captu	Ire Shield Region	Advanced Config	uration		
	System	Face Capture	Version V1.1.0	ouild20200214			
Ð	Network	Capture P	arameters				
<u>Q.</u>	Video/Audio	✓ Upload	Upload Feature				
	Image	Best Sh	not				
圁	Event	Capture Ti	mes		1		
B	Storage	Capture Th	reshold	0	20		
4	Temperature Screening	V Quick S	Shot				
	Basic Settings	Quick Shot	Threshold	0	70		
	Face Capture	Max. Capture Interval 5 s					
		Capture Ti	mes 🔿 Ur	nlimited	imited 1		
		Facial Posture Filter					
		Rotational Angle-Left 70					
		Rotational	Rotational Angle-Right				
		Deflection	Angle-Upper	(50		
		Deflection	Angle-Lower	(50		
		If Face Pos	sture Filter is enabled, t	he camera may not ca	apture the qualified ima	ige.	
		No Wearing Mask Linkage					
		Trigger Alarm Output					
		□ A->2					

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** 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. You can link one of Alarm Output interfaces to **No Wearing Mask** and another one to **Abnormal Temperature.**



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 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 and height.

See far, go further