

PRODUCT:	Dahua Thermal
ITEM CODE:	DH-TPC-DF1241

Introduction

This guide has been formulated to assist with Dahua Thermal Camera DH-TPC-DF1241

NVRs Supporting thermal: NVR4000-EI, NVR5000 series and above.

1. When connecting thermal camera to NVR directly or via PoE switch, it will take two channel numbers but show same IP (this is for the thermal and normal image).



Image example:

Thermal image colour scheme can be changed



2. Login to NVR with laptop using Microsoft Edge and the NVR IP Address (found under Network > TCP/IP.

IP Address	192.168.1.198	Default Gateway	192.168.1.253
MAC Address	fc:b6:9d:7d:14:23	Subnet Mask	255.255.255.0

3. From Main Menu > Camera > Camera list and click blue "E" symbol next to camera to login to each camera



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IVS

4. Select Settings>Smart Thermal> IVS



5. Select add rule

No.	Name	Rule Type	÷

6. Select either tripwire or intrusion

Channel	1	
✓ No. Name ✓ 1 IVS-1	Rule Type Tripwire Intrusion	₽
		\sim

7. Click draw rule and draw tripwire or area intrusion on camera image.



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8. Choose triggers when even is triggered:

Parameter Setup-		
Period	Setting	
Direction	Both	V
Target Filter		
Record	1 2	
Record Delay	10	s (10~300)
Relay-out		
Alarm Delay	10	s (2~300)
Send Email		
Audio Linkage		
Play Count	5	(1~15)
File	alarm1.pcr 🗸	
Warning Light		
Mode	Flicker V	
Flicker Freque	. Medium 🗸	
Duration	10	s (5~30)
Period	Setting	
✓ Snapshot	1 2	

Period – Schedule when rule works. Sensitivity – How sensitive the detection works. **Record – Which channel is** recorder (Normal or thermal) Relay out – Enable/disable the alarm Send email – Send email upon trigger. Audio linkage – Use audio files (or add custom audio) Warning Light – Trigger white light to on or flash upon trigger. Snapshot – Take picture

upon trigger

9. Navigate to Smart Plan and enable IVS smart plan (orange means enabled)



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Fire Warning (Will trigger upon detecting a fire)

1. Login to camera and browse to Settings > Smart Thermal > Fire Warning



2. By default, the whole camera image will be detection area, edit or remove this with left mouse button.



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Enable 🕜	
Mode 🔿 Anti-jamm	ning 💿 High Response 😨
Region	Image: A state of the state
Name	Region 1
Sensitivity	——————————————————————————————————————
Alarm	×
Click green a	arrows to extend Alarm menu

Mode:

Anti jamming – Less Often/More Accurate triggers

High Response – More Often/Less Accurate triggers

Region – Select up to 4 regions using different colours and separate sensitivity.

Enable	
Period	Setting
Duration	5 (5~600)
Sensitivity	□ − − − − + 5
Record	1 2
Record Delay	10 s (10~300)
Relay-out	
Alarm Delay	10 s (10~300)
Send Email	
Audio Linkage	
Play Count	5 (1~15)
File	call_en.wa 🗸
✓ Warning Light	
Mode	Flicker V
Flicker Frequency	Medium 🗸
Duration	10 s (5~30)
Period	Setting
✓ Snapshot	1 2

Period – Schedule when rule works.

Sensitivity – How sensitive the detection works.

Record – Which channel is recorder (Normal or thermal)

Relay out – Enable/disable the alarm

Send email – Send email upon trigger.

Audio linkage – Use audio files (or add custom audio)

Warning Light – Trigger white light to on or flash upon trigger.

Snapshot – Take picture upon trigger

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<u>Call Detection</u> (Detects when a human holds a mobile phone to head)

10. Select Setting > Smart Thermal > Call Detection.



11. Use "Draw Rule" to draw detection area on screen.



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Setting
5 (5~600)
+ 5
1 2
10 s (10~300)
10 s (10~300)
5 (1~15)
call_en.wa 🗸
Flicker V
Medium 🗸
10 s (5~30)
Setting
1 2

12. Select Smart Thermal > Smart Plan



Period – Schedule when rule works.

Sensitivity – How sensitive the detection works.

Record – Which channel is recorder (Normal or thermal)

Relay out – Enable/disable the alarm

Send email – Send email upon trigger.

Audio linkage – Use audio files (or add custom audio)

Warning Light – Trigger white light to on or flash upon trigger.

Snapshot – Take picture upon trigger

13. Select Channel 1, ensure "Call Detection" icon is highlighted, click save.



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14. Once set, the camera will then look for a human holding a phone to their head for trigger to work.

Smoking Detection

15.Login to camera, select Settings > Smart Thermal > Smoking Detection (Used to detect when a human is smoking a cigarette)



16. Click "Draw Rule" to draw a detection area on the thermal image.



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Enabl	e	Satting		Period – Schedule when rule works.
Sensi Recor	al Time tivity d d Delay	5 1 2 10	(3~600) + 90 s (10~300)	Sensitivity – How sensitive the detection works.
Relay	-out			recorder (Normal or thermal)
Alarm	Delay Email Linkage	10	s (10~300)	Relay out – Enable/disable the alarm
Play (File	Count	5 smoking_€ ✔	(1~15)	Send email – Send email upon trigger.
Warni Mode Flicke	ng Light r Frequency	Flicker V Medium V		Audio linkage – Use audio files (or add custom audio)
Durati Period	on 1	10 Setting	s (5~30)	Warning Light – Trigger white light to on or flash upon trigger.
✓ Snaps	ault	1 2 Refresh	Save	Snapshot – Take picture upon trigger

17. Select Smart Plan, choose Channel 2 and select Smoking detection



Hot Trace (Detects hottest and coldest areas on screen)

1. Login to camera, select Settings > Smart Thermal > Hot Trace.

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Pic in Pic (Shows a mini thermal image within normal image)

1. Login to camera, select Settings > Smart Thermal > Pic in Pic



2. Select enable. You can move the thermal image around the view using left mouse button and resize the image also.

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