

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).

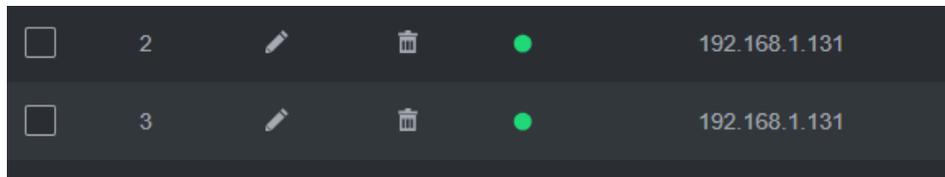
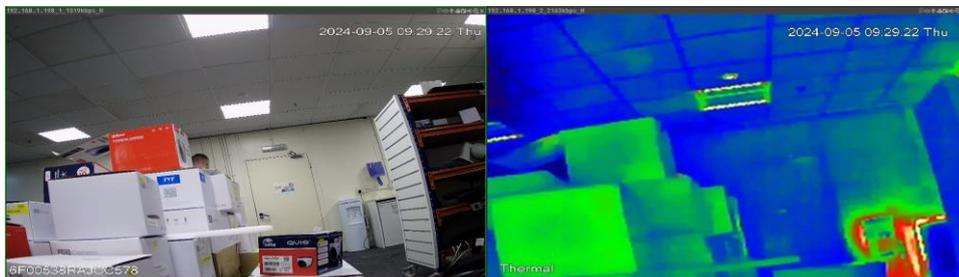
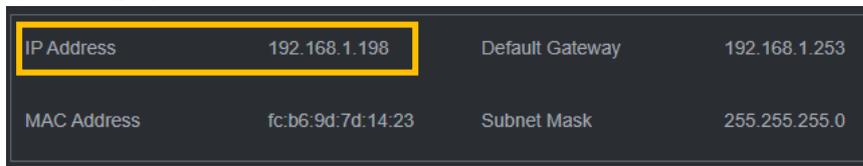


Image example:

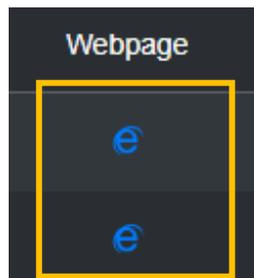
Thermal image colour scheme can be changed



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

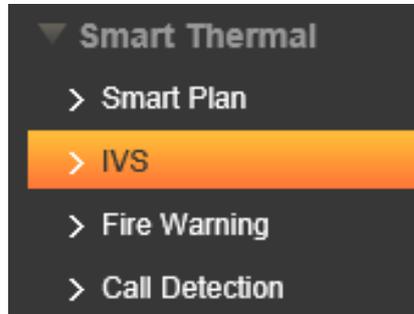


3. From Main Menu > Camera > Camera list and click blue “E” symbol next to camera to login to each camera



IVS

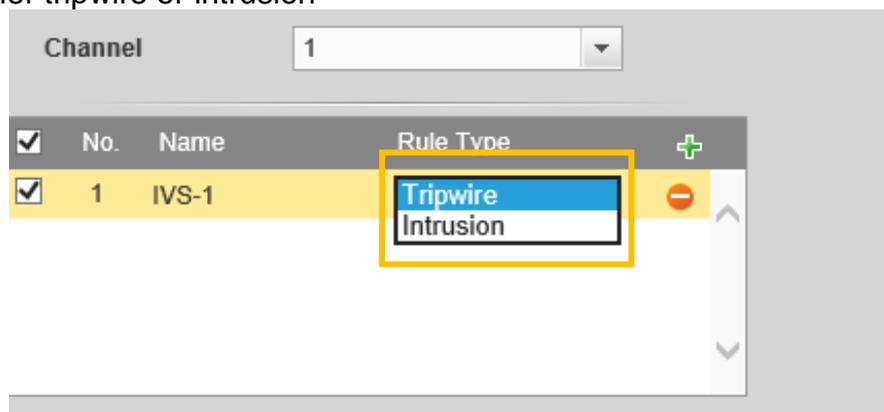
4. Select Settings>Smart Thermal> IVS



5. Select add rule



6. Select either tripwire or intrusion



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



8. Choose triggers when even is triggered:

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)

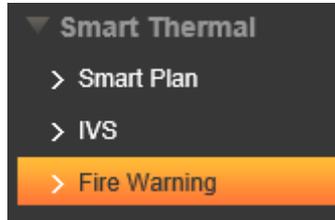
Warning Light – Trigger white light to on or flash upon trigger.

Snapshot – Take picture upon trigger

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

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.





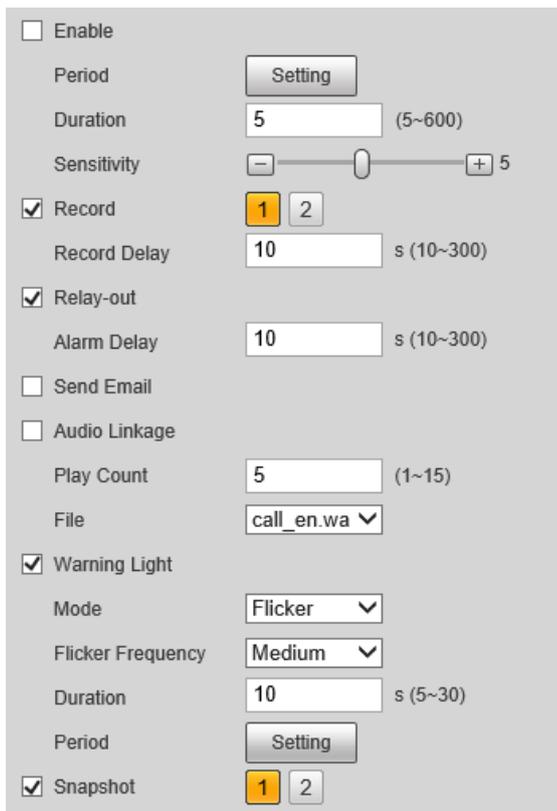
Click green arrows to extend Alarm menu

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.



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.

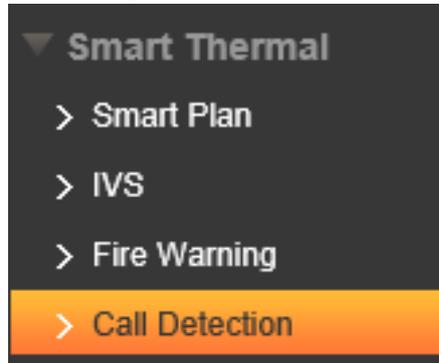
Audio linkage – Use audio files (or add custom audio)

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

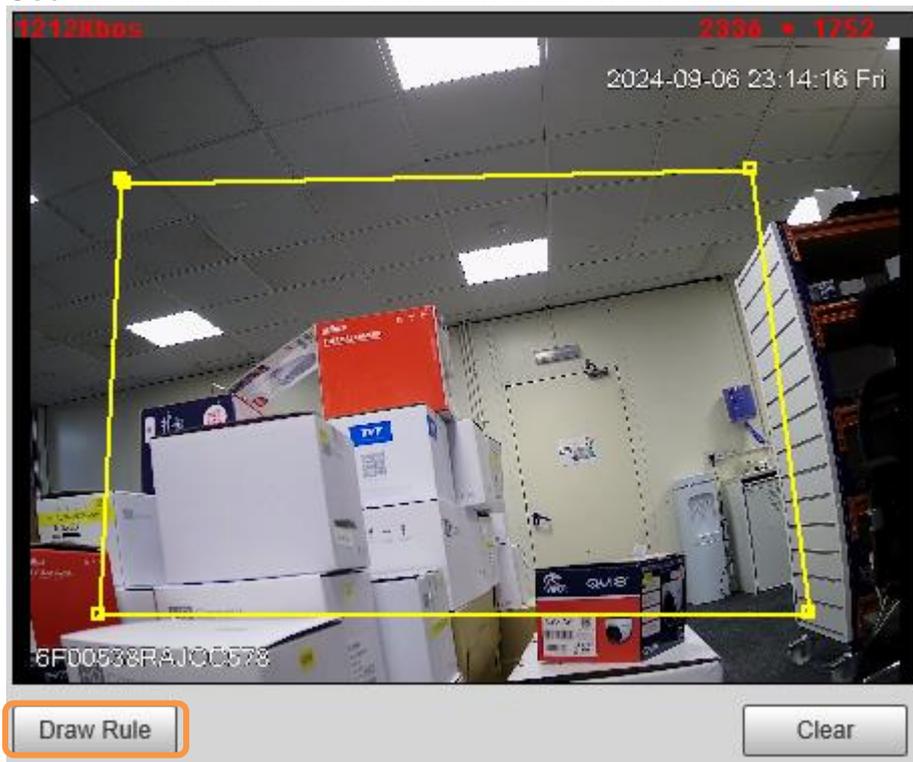
Snapshot – Take picture upon trigger

Call Detection (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.



Enable
 Period
 Duration (5~600)
 Sensitivity
 Record
 Record Delay s (10~300)
 Relay-out
 Alarm Delay s (10~300)
 Send Email
 Audio Linkage
 Play Count (1~15)
 File
 Warning Light
 Mode
 Flicker Frequency
 Duration s (5~30)
 Period
 Snapshot

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

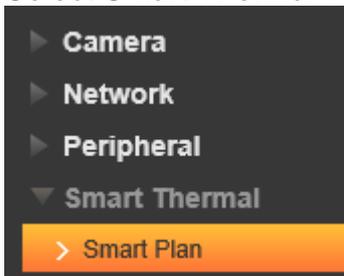
Send email – Send email upon trigger.

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

12. Select Smart Thermal > Smart Plan



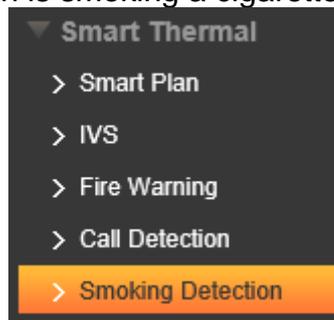
13. Select Channel 1, ensure "Call Detection" icon is highlighted, click save.



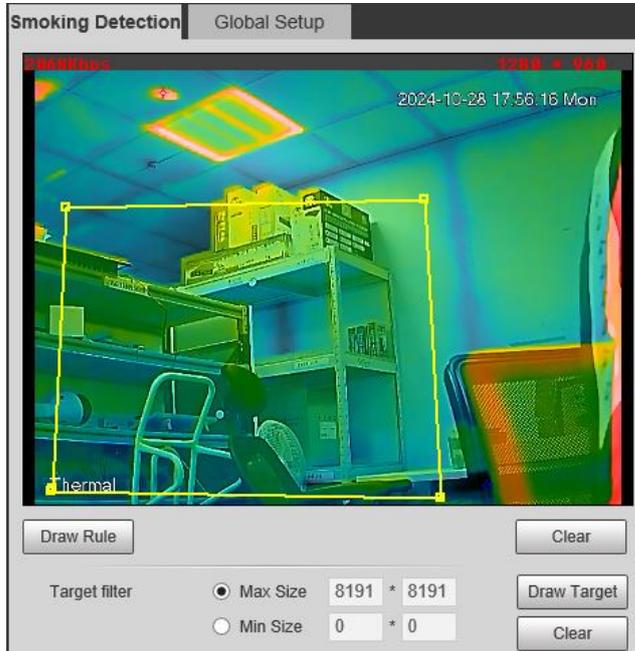
14. Once set, the camera will then look for a human holding a phone to their head for trigger to work.

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.



Enable

Period

Interval Time (3~600)

Sensitivity 90

Record

Record Delay s (10~300)

Relay-out

Alarm Delay s (10~300)

Send Email

Audio Linkage

Play Count (1~15)

File

Warning Light

Mode

Flicker Frequency

Duration s (5~30)

Period

Snapshot

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

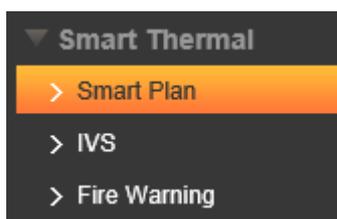
Send email – Send email upon trigger.

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

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

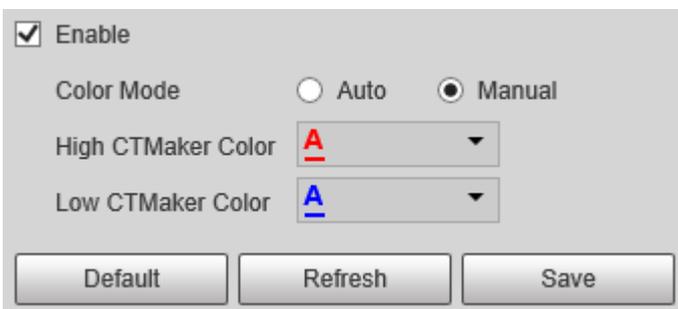
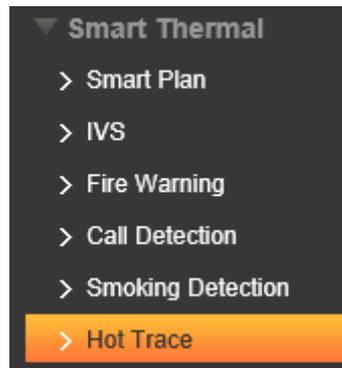
Snapshot – Take picture upon trigger

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.



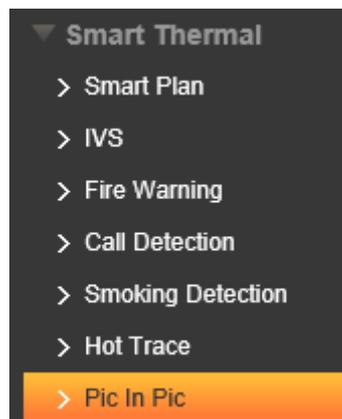
Colour Mode

Auto – Colours to hot and cold and set automatically.

Manual – Choose which colour represents hot and cold areas.

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.

