

Thermal Stable PTZ Camera

Version:V5.5.4 build180722

Release Note

(2018-10-20 **External**)

1. General Information

Firmware Version	V5.5.4 build 180722
SDK Version	HCNetSDKV5.3.6.5_build20180529
Play Lib	PlayCtrl_V7.3.5.41_Build20180514
iVMS-4200	V2.6.10.3build20180612
Web Component/Plugin Version	V4.0.1 build 180713/ 3.0.6.45

2. Supported Model

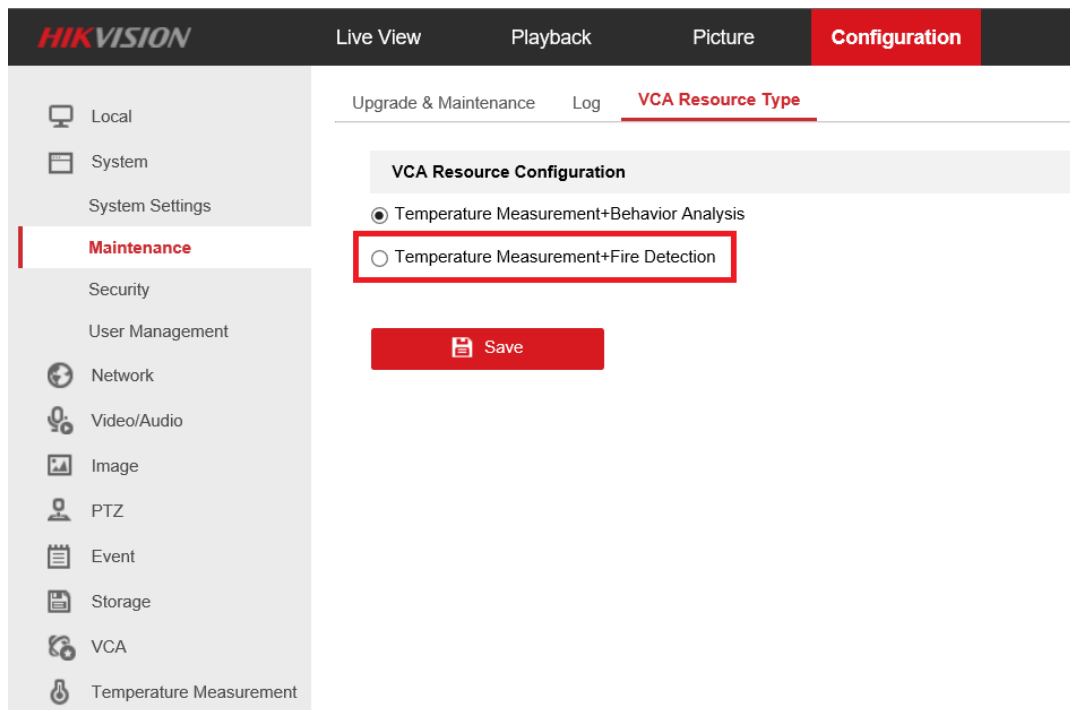
DS-2TD8166-75H2F/V2	DS-2TD8166-150ZH2F/V2
DS-2TD8136-75H2F/V2	DS-2TD8136-100H2F/V2

3. V5.5.4 Key Updates

3.1 Added Function

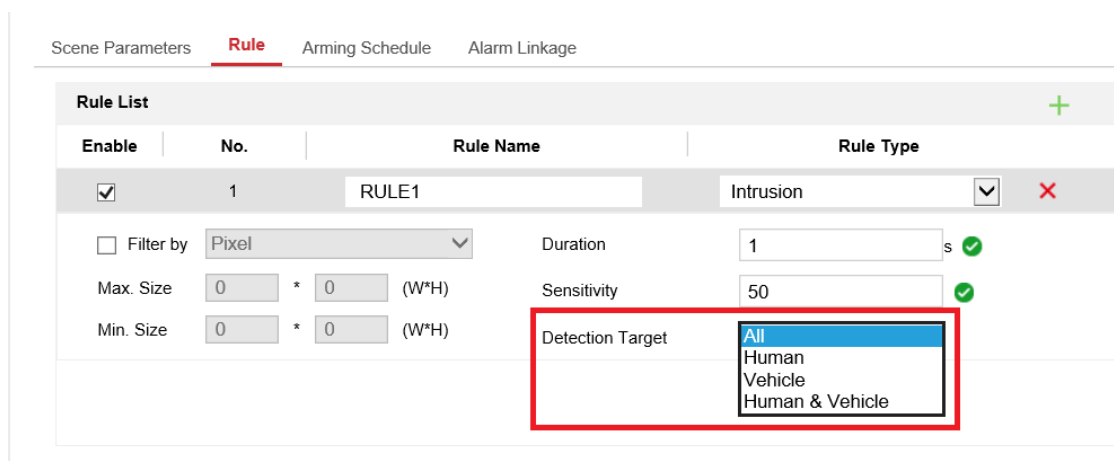
1. Switch to the deep learning algorithm platform, support deep learning algorithm including the following functions:

1.1 Dynamic fire source detection:



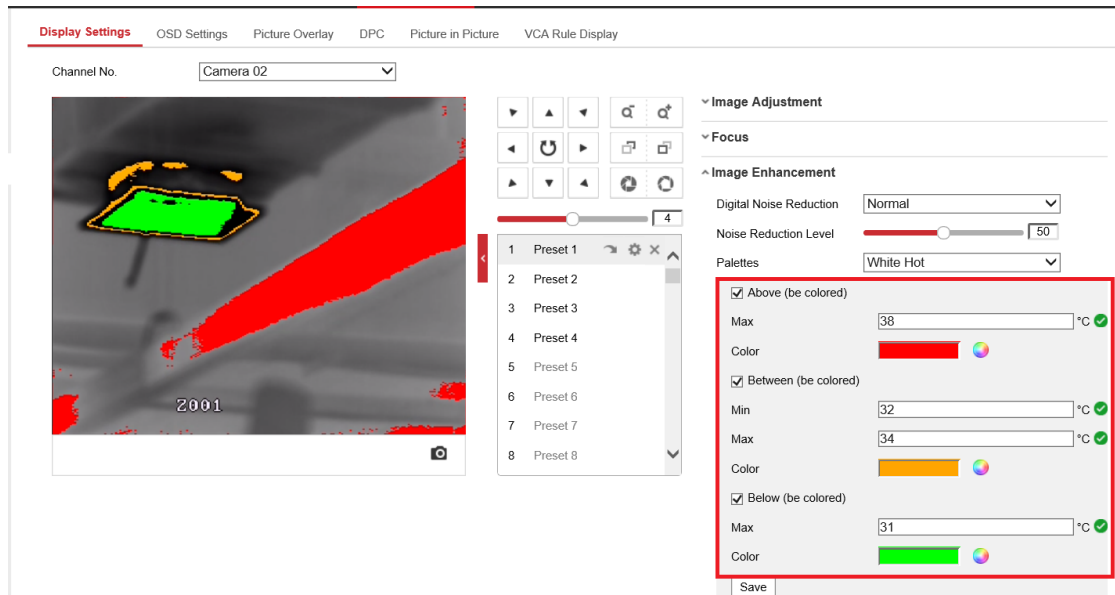
VCA resource type

1.2 Target detection:



target detection

1.3 Colorful temperature interval:

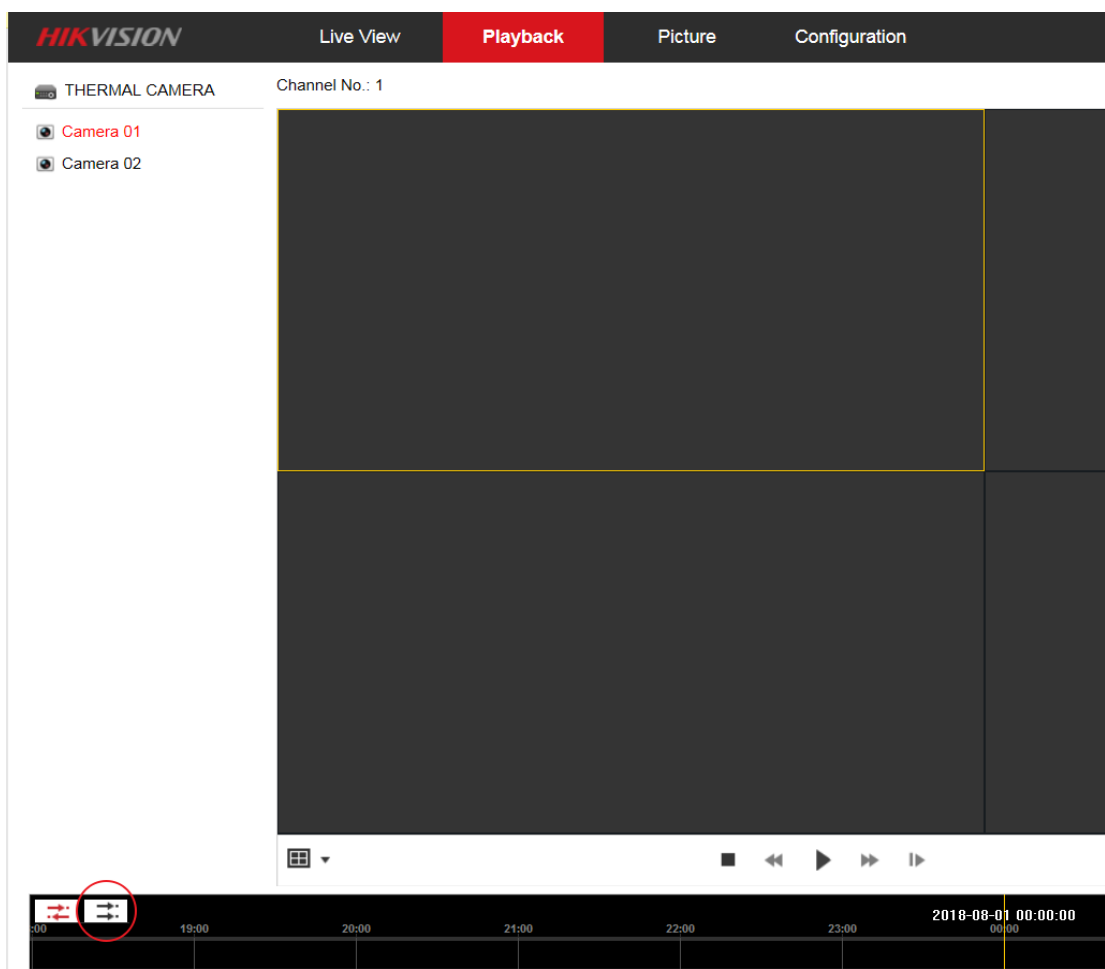


temperature color highlight

2. Support one key synchronize FOV(field of view), one key synchronous playback and other operation optimization. After one key synchronize FOV, the size of the target in the dual channels will be all the same, as shown in the following figure.



Synchronize FOV

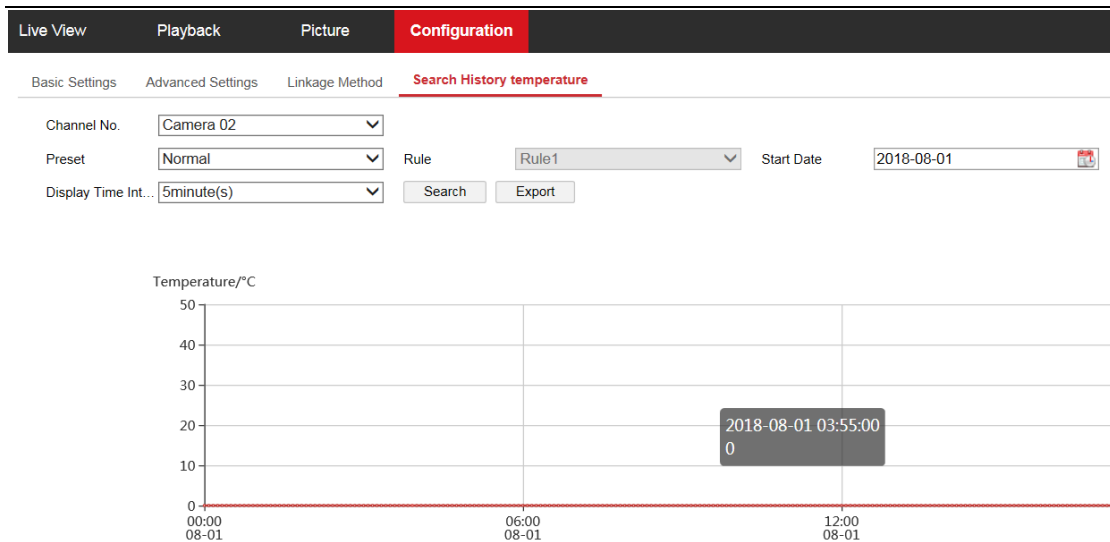


Synchronous Playback

3. Support click-to-thermometry, search history temperature and temperature report. The click-to-thermometry button and the effect of live view is show as the following picture.

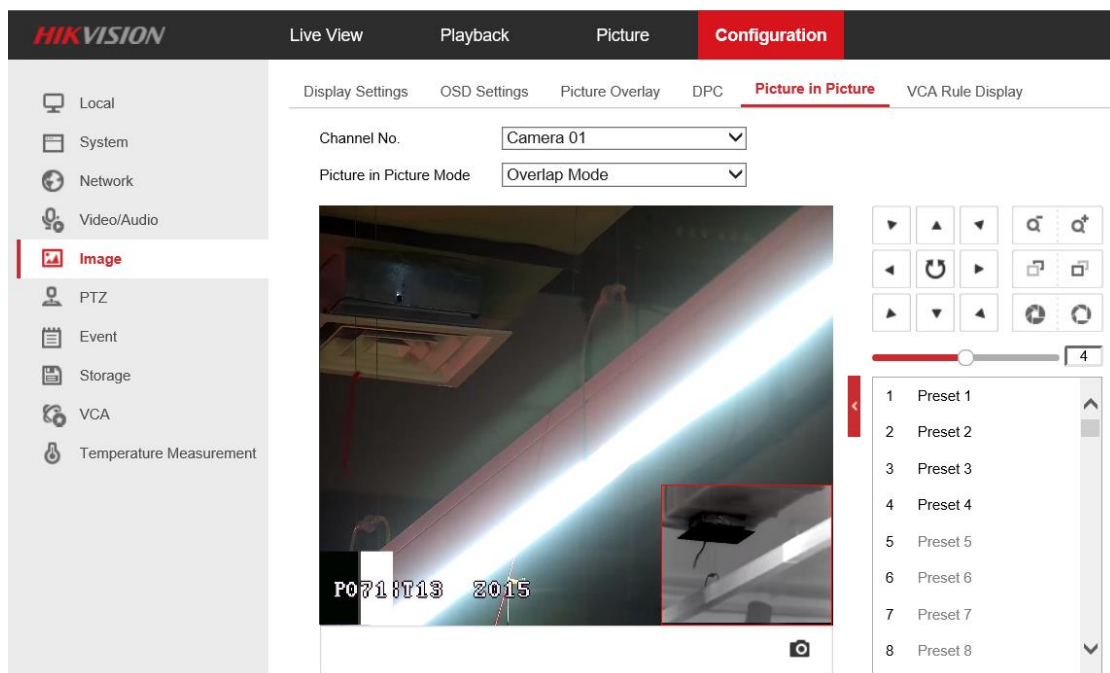


Click-to-thermometry



Search history temperature

4. Supports double-clicking on the Advanced Temperature Measurement Configuration Interface to zoom in the thermal imaging image to the full-screen function, and supports drawing the temperature measurement rules on the full-screen thermal imaging image.
5. Support picture in picture function, the thermal image could be overlaid on the optical image. And the details of thermal image also can be overlaid on optical channel.



Picture in picture

6. Support thermal image self-adaptive by temperature, the thermal lens will focus according to the change of environment temperature. It will solve the problem

the problem of out of focus. This function can be enabled/disabled, and it is default to be enabled.

- Support full-screen temperature data acquisition, which can facilitate the development of the third party.

3.2 Optimized Function

- Thermal image algorithm is upgraded to AGC4.0 version to optimize the image effect, and support AGC mode configuration.

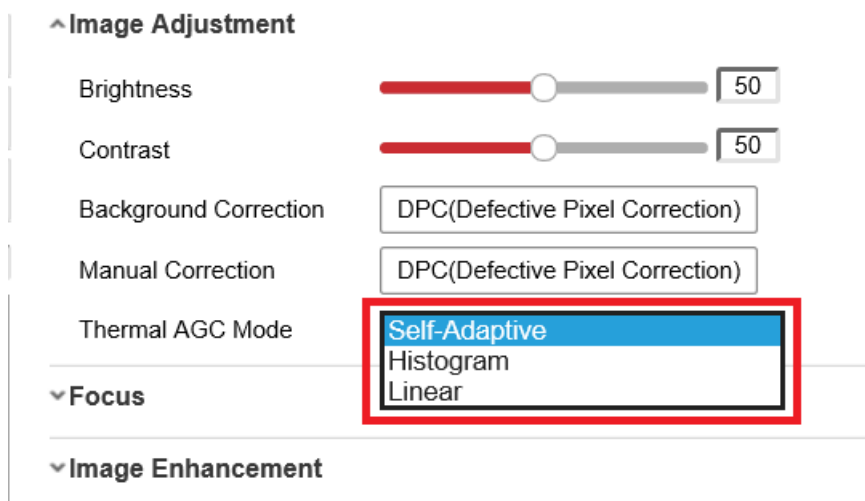


Image AGC mode configuration

- The laser supplementary effect is optimized to support the laser supplementary area and the current intensity configuration function.

4. Compatibility List

Thermal camera Version	V5.5.4 build 180722				
Test equipment	Milestone	Mirasys	Seetec	ONSSI	Axxonsoft
Version	Milestone XProtect series with Corporate 2017 R2	VMS Enterprise, VMS Pro	Cayuga R10	Ocularis 5.4(5.4.0.1 28)	Intellect 4.10.1
Live view(display VCA info)	√	×	×	×	√
Live view(display Fire point info)	×	×	×	×	×
Live view(display Temperature info)	×	√	×	×	×
Receive VCA Alarm info	√	√	√	√	√
Receive Dynamic Fire Detection info	√	√	×	×	×
Receive Temperature info	√	√	×	×	×

Thermal camera Version					
V5.5.4 build 180722					
Test equipment	iVMS-4200	I series NVR	I series NVR	IE explorer	HIK central
Version	V2.6.10.3build20180612	DS-96XX-I16 NVR V4.1.50 180227	DS-96XX-I16 V3.4.95 customized	IE7+	V1.1.1
Live view(display VCA info)	√	√(Web,4200)	√(Web,4200,Local GUI)	√	√
Live view(display Fire point info)	√	√(Web,4200)	√(Web,4200,Local GUI)	√	√
Live view(display Temperature info)	√	√(Web,4200)	√(Web,4200,Local GUI)	√	√
Remote setup VCA rules (Line Crossing,Intrusion,Region Entrance,Region Exiting)	√	√(Web,4200 associated with the browser to configure)	√(4200, Web)	√	√ (Software associated with the browser to configure)
Setup Dynamic Fire Detection	√	√(Web,4200 associated with the browser to configure, only support linkage)	√(4200)	√	√ (Software associated with the browser to configure)
Setup Temperature Measurement	√	√(Web,4200 associated with the browser to configure, only support linkage)	√(4200)	√	√ (Software associated with the browser to configure)
Receive VCA Alarm info	√	√(4200)	√(Web,4200,Local GUI)	×	√
Receive Dynamic Fire Detection info	√	√(4200)	√(Web,4200,Local GUI)	×	√
Receive Temperature info	√	√(4200)	√(Web,4200,Local GUI)	×	√
Playback(display VCA info)	√	√(Web,4200)	√(Web,4200,Local GUI)	√	√
Playback(display Fire point info)	√	√(Web,4200)	√(Web,4200,Local GUI)	√	√
Playback(display Temperature info)	√	√(Web,4200)	√(Web,4200,Local GUI)	√	√