

Thermal Network Bullet Camera &Turret Camera

V5.5.58 build 220614

Release Note

(2022-06-14)

1. Basic Information

Firmware Version	V5.5.58 build 220614
SDK Version	V6.1.9.3 build20220126
Play Lib	7.4.0.46 Win32_Base_Build20211116
iVMS-4200	V3.7.4.1 build20220412
Web Component	V4.0.1.0 build 220519
Behavior Analysis Algorithm Version	V1.9.1build20220119
Fire Source Detection Algorithm Version	V3.0.2build20201020
Temperature Measurement Algorithm Version	V2.1.4build20220426

2. New Features

2.1 Newly add Forklift Filter Level to adjust the filter sensitivity. Default settings Low is suitable for most cases. The higher the grade, the better the filter effect.



Figure 1

2.2 Support Auto mode to adjust Temperature Range for Thermographic Network Camera.

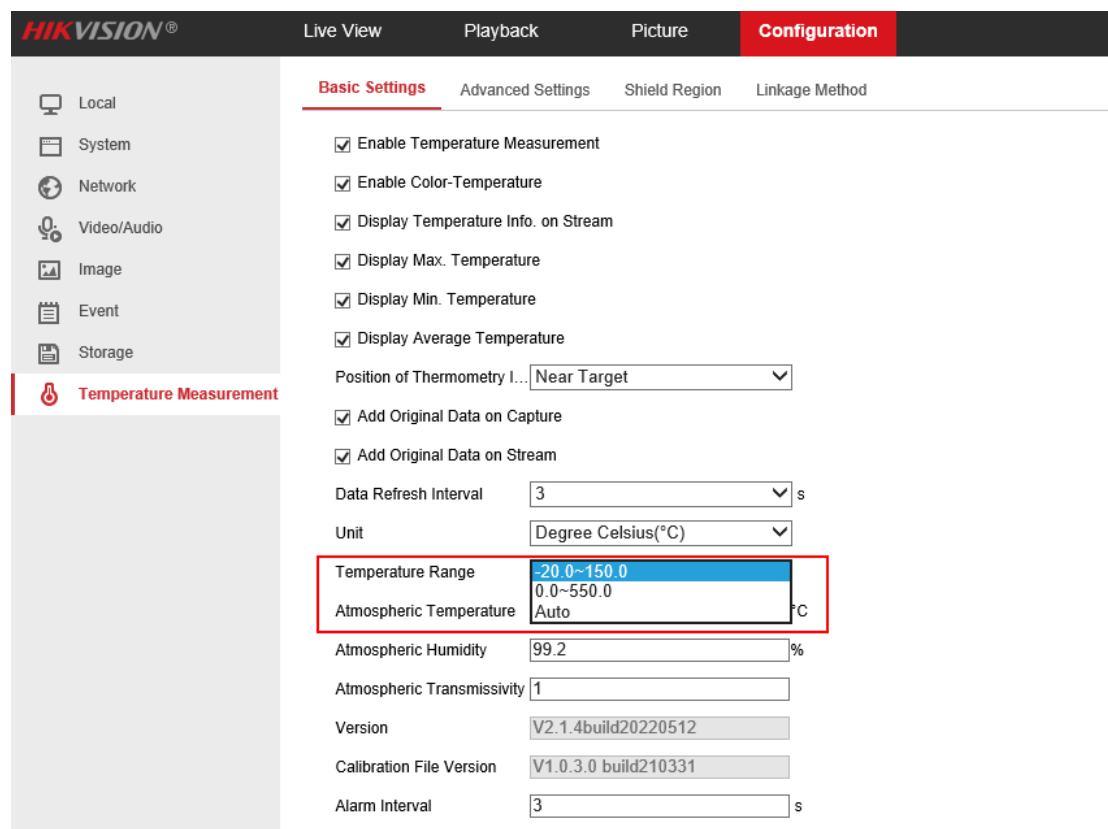


Figure 2

When the maximum temperature of scene is higher than 150°C, it automatically switches to 0~550°C. When the maximum temperature of scene is lower than 130°C, it automatically switches to -20~150°C.

When the maximum temperature of scene is greater than or equal to 130°C and less than or equal to 150°C, it keeps original gear.

2.3 Thermographic Network Camera supports atmospheric settings for CNPP certification.

The screenshot displays the Hikvision Configuration web interface. The top navigation bar includes 'Live View', 'Playback', 'Picture', and 'Configuration'. The left sidebar lists various system settings: Local, System, Network, Video/Audio, Image, Event, Storage, and a highlighted 'Temperature Measurement' section. The main content area is titled 'Basic Settings' and contains several configuration options for temperature measurement. A red box highlights the 'Atmospheric' settings: 'Atmospheric Temperature' is set to -11.2 °C, 'Atmospheric Humidity' is 99.2 %, and 'Atmospheric Transmissivity' is 1. Other visible settings include checkboxes for enabling temperature measurement and displaying temperature information, a data refresh interval of 3 seconds, and a unit of Degree Celsius. The interface also shows version information and a forklift filter section.

Setting	Value
Enable Temperature Measurement	<input checked="" type="checkbox"/>
Enable Color-Temperature	<input checked="" type="checkbox"/>
Display Temperature Info. on Stream	<input checked="" type="checkbox"/>
Display Max. Temperature	<input checked="" type="checkbox"/>
Display Min. Temperature	<input checked="" type="checkbox"/>
Display Average Temperature	<input checked="" type="checkbox"/>
Position of Thermometry I...	Near Target
Add Original Data on Capture	<input checked="" type="checkbox"/>
Add Original Data on Stream	<input checked="" type="checkbox"/>
Data Refresh Interval	3 s
Unit	Degree Celsius(°C)
Temperature Range	Auto
Atmospheric Temperature	-11.2 °C
Atmospheric Humidity	99.2 %
Atmospheric Transmissivity	1
Version	V2.1.4build20220512
Calibration File Version	V1.0.3.0 build210331
Alarm Interval	3 s
Enable Forklift Filter	<input type="checkbox"/>
Filter Level	High
Restart Algorithm Library	Restart

Figure 3

2.4 Support manually trigger flashing alarm and audible warning via HC App when VCA resource type of device is Behavior Analysis. Even VCA linkage, flashing and audible arming schedule are not configured.

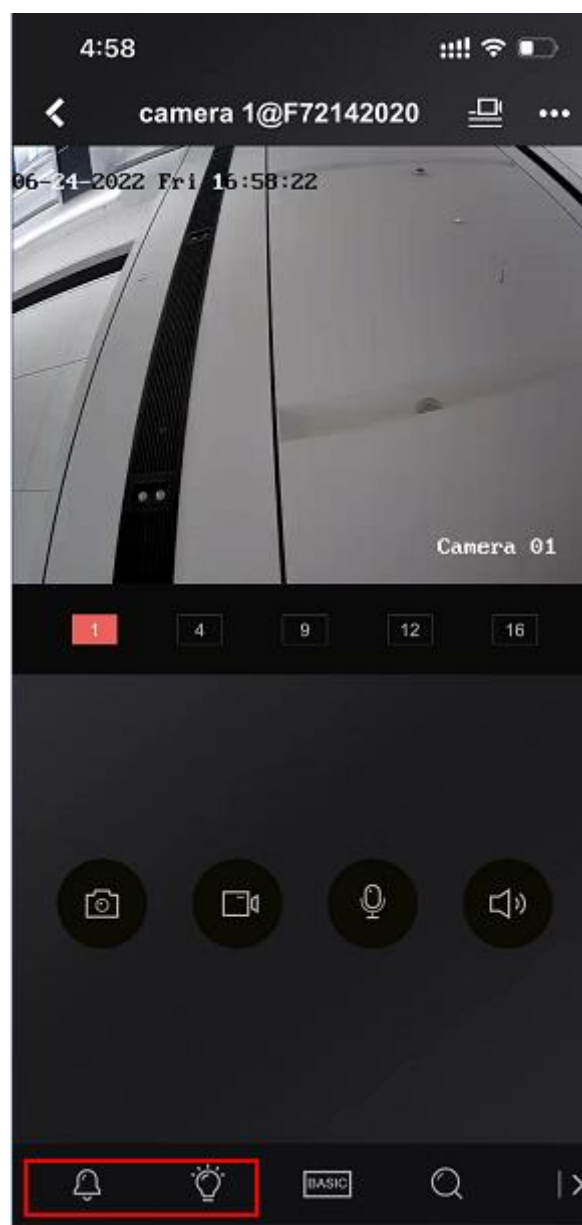


Figure 4

2.5 Support Control Timeout settings. 10 minutes as default. Rang form 1 to 60.

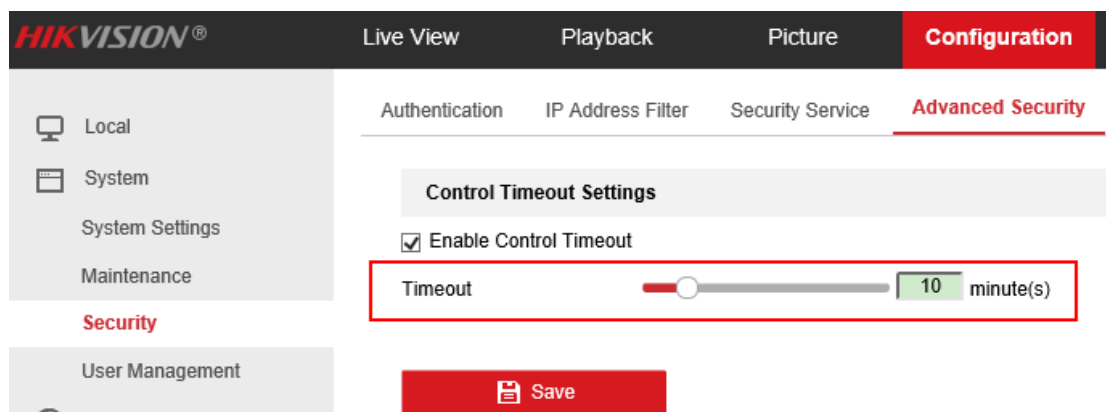


Figure 5

2.6 Support Certificate Management function. It helps to manage the server/client certificates and CA certificate, and sends an alarm if the certificates will expire.

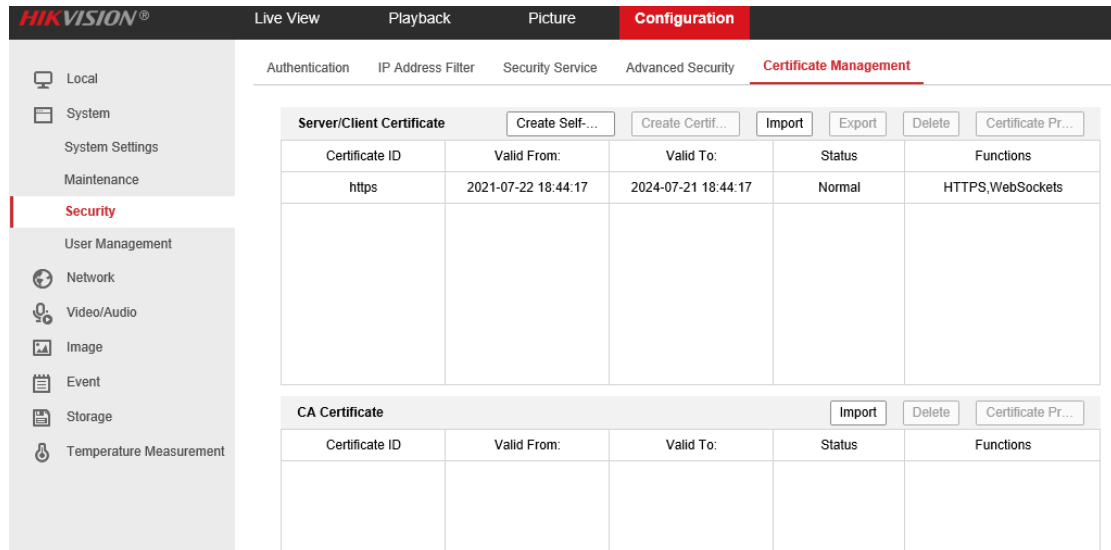


Figure 6

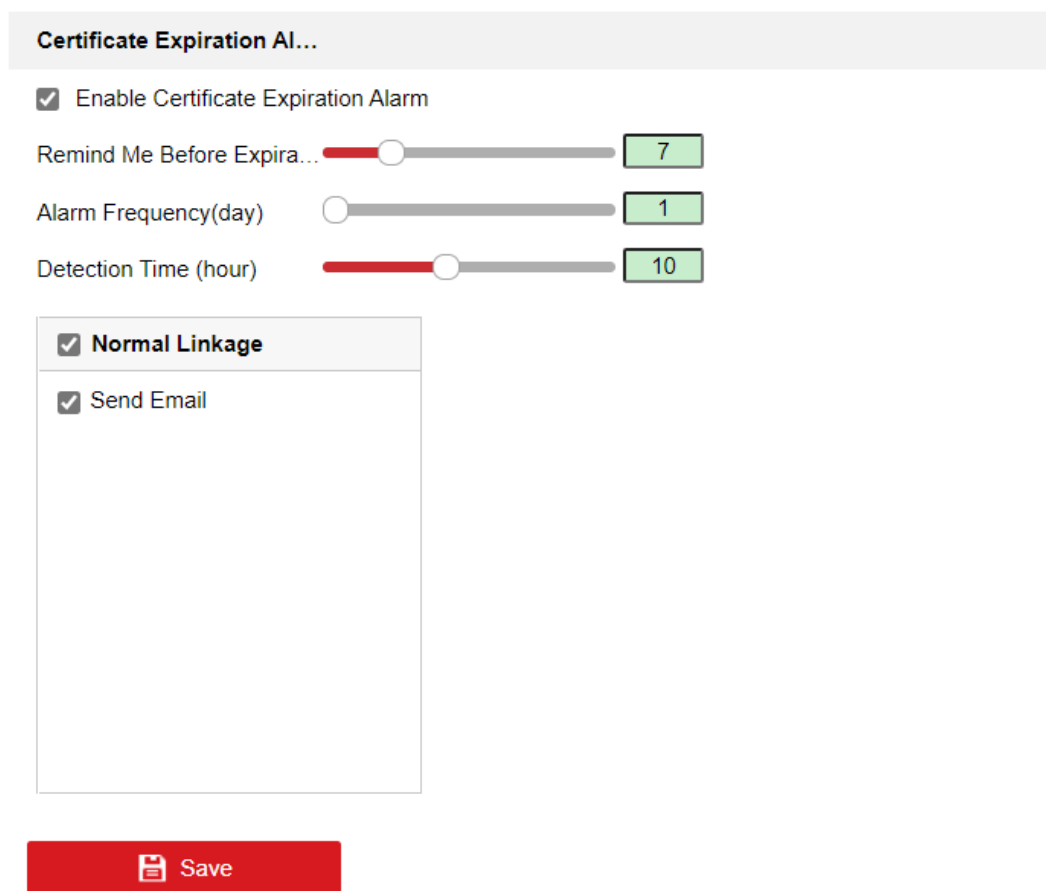


Figure 7

2.7 E-mail linkage of VCA behavior analysis alarm can select image or video attachment so that alarm receiving center knows more details.

The screenshot shows the Hikvision Configuration interface. The 'Email' tab is selected under the 'Configuration' menu. The left sidebar shows 'Advanced Settings' with 'VCA' selected. The main area displays email configuration fields: Sender, Sender's Address, SMTP Server, SMTP Port (25), E-mail Encryption (None), Attached Image (unchecked), Interval (2 s), Authentication (unchecked), User Name, Password, and Confirm. Below these is the 'Alarm E-mail Attachment Settings' section, which is highlighted with a red box. It includes: Alarm Type (VCA Behavior Analysis), Attachment Type (Image), Optical Capture (1), and Thermal Capture (1). A note states: 'If several VCA rules are triggered in a short time, the alarm image of the first triggered rule is uploaded preferentially.' At the bottom is a 'Receiver' table with columns: No., Receiver, Receiver's Address, and Test. The table has three rows, each with a 'Test' button.

No.	Receiver	Receiver's Address	Test
1			Test
2			Test
3			Test

Figure 8

2.8 Hikvision-CGI is not supported any more due to ISAPI integration protocol is a common choice.

2 Supported Product List

DS-2TD1117-2/P	DS-2TD1217-2/P	DS-2TD2117-3/P	DS-2TD2617-3/P
DS-2TD1117-3/P	DS-2TD1217-3/P	DS-2TD2117-6/P	DS-2TD2617-6/P
DS-2TD1117-6/P	DS-2TD1217-6/P	DS-2TD2117-10/P	DS-2TD2617-10/P
DS-2TD1117-2/PA	DS-2TD1217-2/PA	DS-2TD2117-3/PA	DS-2TD2617-3/PA
DS-2TD1117-3/PA	DS-2TD1217-3/PA	DS-2TD2117-6/PA	DS-2TD2617-6/PA
DS-2TD1117-6/PA	DS-2TD1217-6/PA	DS-2TD2117-10/PA	DS-2TD2617-10/PA
DS-2TD1217T-2/PA	DS-2TD1217-2/PA	DS-2TD2617T-3/PA	
DS-2TD1217T-3/PA	DS-2TD1217-3/PA	DS-2TD2617T-6/PA	

DS-2TD1217T-6/PA	DS-2TD1217-6/PA	DS-2TD2617T-10/PA	
DS-2TD2137-4/P	DS-2TD2137-15/P	DS-2TD2637-10/P	DS-2TD2637-35/P
DS-2TD2137-7/P	DS-2TD2137-25/P	DS-2TD2637-15/P	DS-2TD2137T-4/P
DS-2TD2137-10/P	DS-2TD2137-35/P	DS-2TD2637-25/P	DS-2TD2137T-7/P
DS-2TD2367-50/P	DS-2TD2367-75/P	DS-2TD2367-100/P	
DS-2TD2637T-10/P	DS-2TD2637T-15/P		
DS-2TD2137-4/PI	DS-2TD2137-15/PI	DS-2TD2637-10/PI	DS-2TD2637-35/PI
DS-2TD2137-7/PI	DS-2TD2137-25/PI	DS-2TD2637-15/PI	
DS-2TD2137-10/PI	DS-2TD2137-35/PI	DS-2TD2637-25/PI	
DS-2TD2137-4/PY	DS-2TD2137-7PY	DS-2TD2137-10/PY	DS-2TD2137-15/PY
DS-2TD2137-25/PY	DS-2TD2137-35/PY		
DS-2TD2667-15/PY	DS-2TD2667-25/PY	DS-2TD2667-35/PY	
DS-2TD2167-7/P	DS-2TD2167-15/P	DS-2TD2167-25/P	DS-2TD2167-35/P
DS-2TD2667-15/P	DS-2TD2667-25/P	DS-2TD2667-35/P	DS-2TD2167T-7/P
DS-2TD2667T-15/P	DS-2TD2367-50/P	DS-2TD2367-75/P	DS-2TD2367-100/P
DS-2TD2167-7/PI	DS-2TD2167-15/PI	DS-2TD2167-25/PI	DS-2TD2167-35/PI
DS-2TD2667-15/PI	DS-2TD2667-25/PI	DS-2TD2667-35/PI	

3 Third-party Integration

Thermal cameral Version	V5.5.58 build220705				
Test equipment	Milestone	Mirasys	Seetec	ONSSI	Axxonsoft
Version	Milestone XProtect series with Corporate 2017 R2	VMS Enterprise, VMS Pro	Cayuga R10	Ocularis 5.4(5.4.0.128)	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	√	√	×	×	×

Tips

1. The integration with milestone of fire detection and temperature measurement will be finish in Q3.
2. All thermal cameras support Onvif.
3. We have integrated with Mirasys to provide professional solution such as temperature analysis and historical analysis.
4. We integrated with milestone to show the VCA info by metadata, and the integration of different version of Milestone is as below.

4 Client and Platform Compatibility

Thermal cameral Version		V5.5.58 build 220705	
Test equipment	iVMS-4200	I series NVR	IE explorer
Version	V3.7.4.1 build20220412	DS-96XX-I16 NVR V4.1.50 180227	IE10+
Live view(display VCA info)	√	√(Web,4200)	√
Live view(display Fire point info)	√	√(Web,4200)	√
Live view(display Temperature info)	√	√(Web,4200)	√
Remote setup VCA rules (Line Crossing,Intrusion,Region Entrance,Region Exiting)	√	√(Web)	√
Setup Dynamic Fire Detection	√	√(4200, only support linkage)	√
Setup Temperature Measurement	√	√(4200, only support linkage)	√
Receive VCA Alarm info	√	√(4200)	×
Receive Dynamic Fire Detection info	√	√(4200)	×
Receive Temperature info	√	√(4200)	×
Playback(display VCA info)	√	√(Web,4200)	√
Playback(display Fire point info)	√	√(Web,4200)	√
Playback(display Temperature info)	√	√(Web,4200)	√

Customer Impact and Recommended Action

This update refers to function/compatibility improvement and will take effect automatically after the Date of Change. We are very sorry for any inconvenience of use-habit changes caused by this action.

For any questions and request for this firmware, please contact our local technical support team.

Remarks:

- Hikvision reserves the right to change, alter or withdraw the above notification without prior notice.
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