

Thermal Network Bullet Camera & Turret Camera

Version: V5.5.34 build 210331

Release Note

(2021-4-13)

1. Basic Information

Firmware Version	V5.5.34 build 210331
SDK Version	V6.1.6.25 build20201222
Play Lib	7.3.9.50 Win32_Base_Build20210106
iVMS-4200	V3.4.2.1 build20210111
Web Component/Plugin Version	V4.0.1.0 build 210226/3.0.7.40

2. New Features

2.1 Alarm Interval Editable

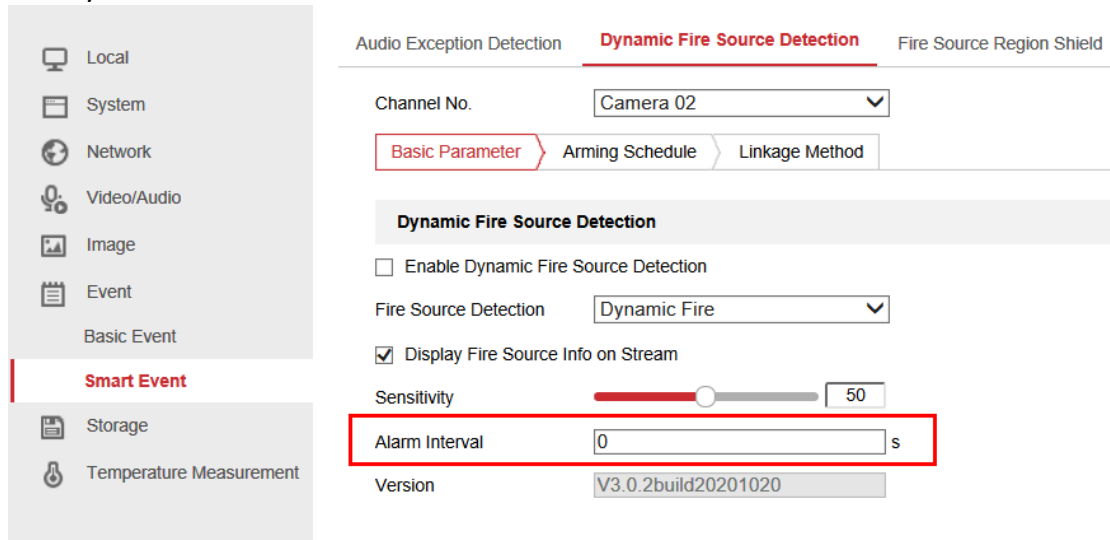
Added Alarm Interval for temperature measurement, fire detection, and smoke detection.

- You can set the Alarm Interval to reduce the alarms when fire/temperature alarms keep triggering.

● Temperature measurement

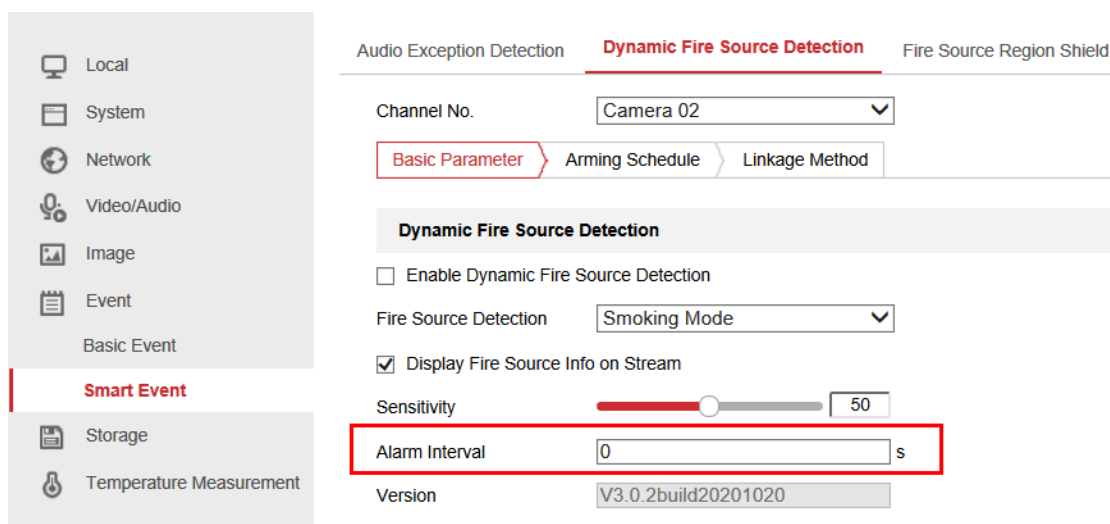
Data Refresh Interval	<input type="text" value="3"/> s
Unit	<input type="text" value="Degree Celsius(°C)"/>
Temperature Range	<input type="text" value="-20.0~150.0"/>
Version	<input type="text" value="V2.0.10build20201109"/>
Calibration File Version	<input type="text" value="V1.0.0.0 build191210"/>
Alarm Interval	<input type="text" value="3"/> s

● Dynamic Fire alarm



The screenshot shows the configuration interface for Dynamic Fire alarm. On the left is a navigation menu with categories: Local, System, Network, Video/Audio, Image, Event, Basic Event, Smart Event (highlighted), Storage, and Temperature Measurement. The main content area has three tabs: Audio Exception Detection, Dynamic Fire Source Detection (active), and Fire Source Region Shield. Under the active tab, there are three sub-tabs: Basic Parameter (active), Arming Schedule, and Linkage Method. The configuration includes: Channel No. (Camera 02), a red-bordered box around the Alarm Interval (0 s), Sensitivity (50), and Version (V3.0.2build20201020). There are checkboxes for 'Enable Dynamic Fire Source Detection' and 'Display Fire Source Info on Stream'.

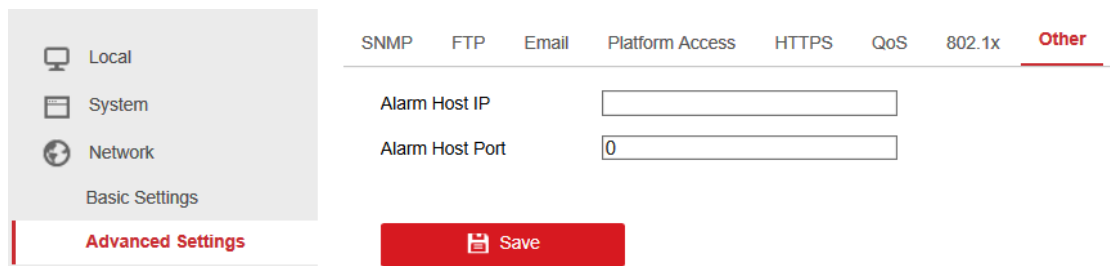
● Smoking Detection Alarm



The screenshot shows the configuration interface for Smoking Detection Alarm. It follows the same layout as the Dynamic Fire alarm page. The 'Dynamic Fire Source Detection' sub-tab is active, and the 'Fire Source Detection' dropdown is set to 'Smoking Mode'. The 'Alarm Interval' field (0 s) is highlighted with a red border. Other settings like Sensitivity (50) and Version (V3.0.2build20201020) are visible.

2.2 Alarm Host Configurable

In Network > Advanced > Other, added Alarm Host IP and Port to set up alarm receiving center via SDK.



The screenshot shows the 'Other' configuration page under Network > Advanced. The navigation menu on the left includes Local, System, Network, and Basic Settings, with 'Advanced Settings' highlighted. The main content area has tabs for SNMP, FTP, Email, Platform Access, HTTPS, QoS, 802.1x, and Other (active). There are two input fields: 'Alarm Host IP' and 'Alarm Host Port' (set to 0). A red 'Save' button is at the bottom.

2.3 Recording expiration

In Storage > Schedule Settings > Record Schedule > Advanced, added Recording Expiration option and editable Expired Time.

- Disabled by default
- Expired Time Range: 1 to 90 days. 7 days by default.
- Non-interacting configuration for two channels.

Enable Recording Expiration

If Recording Expiration is enabled, the deleted recordings cannot be restored.

Expired Time Day(s)

Note: The actual storage days of the recordings is related to the bitrate and percentage of record in memory card.

OK

Cancel

2.4 Reflect Light Filter & Forklift Filter

In Temperature Measurement > Basic Settings, added Reflect Light Filter and Forklift Filter.

Temperature Measurement

Alarm Interval s

Reflect Light Filter

Enable Reflect Light Filter

Sensitivity 50

Restart VCA

Forklift Filter

Enable Forklift Filter

Restart VCA

Notes

- Reflect light filter is only applicable to bi-spectrum camera.
- Forklift filter is conflict with VCA function.

2.5 New Models

Added models: DS-2TD2367-50/P, DS-2TD2367-75/P, DS-2TD2367-100/P.

Note: Not support smoking detection.

3. Optimized Features

3.1 Tolerance Temperature Range Is Changed

In Temperature > Advanced Settings > Expert Mode.

- Enhanced the tolerance temperature range to 32 °C.

The screenshot shows the 'Alarm Rule' configuration window. The 'Tolerance Temperature' field is set to 0 °C and is highlighted with a red border. A tooltip next to it indicates the range is 1-32. Other fields include Alarm Rule (Above (Average Temperature)), Alarm Temperature (0 °C), Filtering Time (0 s), Pre-Alarm Temperature (0 °C), Filtering Time (0 s), Pre-Alarm Output (A->1), and Alarm Output (A->1). Buttons for OK and Cancel are at the bottom.

3.2 HTTP Listening Alarm Supports Up to 3 Servers

In Network > Advanced Settings > Alarm Server

- Expanded the HTTP listening alarm server from 1 to 3 servers.

The screenshot shows the 'Alarm Server' configuration page. The 'HTTP Data Transmission' table has three entries, each with a 'Test' button. The table columns are Destination IP or Host Name, URL, Protocol, Port, and Test.

Destination IP or Host Name	URL	Protocol	Port	Test
0.0.0.0	/	HTTP	80	Test
0.0.0.0	/	HTTP	80	Test
0.0.0.0	/	HTTP	80	Test

3.3 Optical Channel Performance Enhancement

Improved the optical channel performance by adjusting default parameters.

3.4 Email Address Length Expanded

Expanded the email address length from 32 digit limitation to 64 digit limitation.

3.5 VCA Enhancement

- Enhanced the VCA performance and reduced animal false alarms.
- Enhanced the intelligent stream recording.
- Changed the duration range for VCA intrusion rule to 0 – 10.

Rule Arming Schedule Alarm Linkage

Rule List					
Enable	No.	Rule Name	Rule Type		
<input checked="" type="checkbox"/>	1	A1	Intrusion		
<input type="checkbox"/>	Filter by	Pixel	Duration		s Range 0-10
	Max. Size	0 * 0 (W*H)	Sensitivity	50	✓
	Min. Size	0 * 0 (W*H)	Target Detection	Human & Vehicle	▼
<input checked="" type="checkbox"/>	2	L1	Line Crossing		

- Default target type is changed to Human.

Enable	No.	Rule Name	Rule Type		
<input checked="" type="checkbox"/>	1	Intrusion	Intrusion		
<input type="checkbox"/>	Filter by	Pixel	Duration	1	s ✓
	Max. Size	0 * 0 (W*H)	Sensitivity	50	✓
	Min. Size	0 * 0 (W*H)	Detection Target	Human	▼

3.6 Smoking Detection Enhancement

Enhanced smoking detection performance, so that thermal jug will not trigger alarm.

4. 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/PAH	DS-2TC1217-2/PA	DS-2TD2617T-3/PA
DS-2TD1217T-3/PA	DS-2TD1217-3/PAH	DS-2TC1217-3/PA	DS-2TD2617T-6/PA
DS-2TD1217T-6/PA	DS-2TD1217-6/PAH	DS-2TC1217-6/PA	DS-2TD2617T-10/PA
DS-2TD2117-3/PI	DS-2TD2117-3/PAI	DS-2TD2617-3/PI	DS-2TD2617-3/PAI
DS-2TD2117-6/PI	DS-2TD2117-6/PAI	DS-2TD2617-6/PI	DS-2TD2617-6/PAI
DS-2TD2117-10/PI	DS-2TD2117-10/PAI	DS-2TD2617-10/PI	DS-2TD2617-10/PAI
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-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	

5. Third-party Integration

Thermal camera Version		V5.5.34 build 210331			
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. All thermal cameras support Onvif. 2. We have integrated with Mirasys to provide professional solution such as temperature analysis and historical analysis. 3. We integrated with milestone to show the VCA info by metadata, and the integration of different version of Milestone is as below.					

6. Client and Platform Compatibility

Thermal camera Version		V5.5.34 build 210331		
Test equipment	iVMS-4200	I series NVR	IE explorer	
Version	V3.2.50.7 build20200616	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:

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Hikvision Digital Technology CO., Ltd.
No. 555 Qianmo Road, Binjiang District, Hangzhou 310051,
China
Tel: +86-571-8807-5998
FAX: +86-571-8993-5635
Email: overseabusiness@hikvision.com