

Thermal Network Bullet Camera & Turret Camera

Version: V5.5.34 build 211012

Release Note

(2021-10-12)

1. Basic Information

Firmware Version	V5.5.34 build 211012
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	3 s
Unit	Degree Celsius(°C)
Temperature Range	-20.0~150.0
Version	V2.0.10 build20201109
Calibration File Version	V1.0.0.0 build191210
Alarm Interval	3 s

● Dynamic Fire alarm

Local

System

Network

Video/Audio

Image

Event

Basic Event

Smart Event

Storage

Temperature Measurement

Audio Exception Detection

Dynamic Fire Source Detection

Fire Source Region Shield

Channel No.

Camera 02

Basic ParameterArming ScheduleLinkage Method

Dynamic Fire Source Detection

☐ Enable Dynamic Fire Source Detection

Fire Source Detection

Dynamic Fire

☒ Display Fire Source Info on Stream

Sensitivity

50

Alarm Interval

0

 s

Version

V3.0.2build20201020

● Smoking Detection Alarm

Local

System

Network

Video/Audio

Image

Event

Basic Event

Smart Event

Storage

Temperature Measurement

Audio Exception Detection

Dynamic Fire Source Detection

Fire Source Region Shield

Channel No.

Camera 02

Basic ParameterArming ScheduleLinkage Method

Dynamic Fire Source Detection

☐ Enable Dynamic Fire Source Detection

Fire Source Detection

Smoking Mode

☒ Display Fire Source Info on Stream

Sensitivity

50

Alarm Interval

0

 s

Version

V3.0.2build20201020

2.2 Alarm Host Configurable

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

Local

System

Network

Basic Settings

Advanced Settings

SNMP

FTP

Email

Platform Access

HTTPS

QoS

802.1x

Other

Alarm Host IP

Alarm Host Port

0

Save

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

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.

- Extended 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 box. A tooltip next to the field indicates the range is 1-32°C. Other fields include 'Alarm Rule' (Above (Average Temperature)), 'Alarm Temperature' (0°C), 'Filtering Time' (0s), 'Pre-Alarm Temperature' (0°C), and 'Filtering Time' (0s). There are also checkboxes for 'Pre-Alarm Output' and 'Alarm Output' (both set to A->1). The window has 'OK' and 'Cancel' buttons 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 window. The 'HTTP Data Transmission' table is visible, showing three entries for HTTP listening alarm servers. The table has columns for 'Destination IP or Host Name', 'URL', 'Protocol', 'Port', and 'Test'. The 'Test' column has a 'Test' button for each entry.

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		
☒	1	A1	Intrusion	☐	☐
☐ 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	☐	
☒	2	L1	Line Crossing		

- Default target type is changed to Human.

Enable	No.	Rule Name	Rule Type		
☒	1	Intrusion	Intrusion	☐	☐
☐ 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-2TC1217-2/PA	DS-2TD2617T-3/PA
DS-2TD1217T-3/PA		DS-2TC1217-3/PA	DS-2TD2617T-6/PA
DS-2TD1217T-6/PA		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 cameral 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 metedata, and the integration of different version of Milestone is as below.				

6. Client and Platform Compatibility

Thermal cameral 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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