

Thermal Network Bullet Camera & Turret Camera

Version: V5.5.33 build 210202

Release Note

(2021-2-26)

1. Basic Information

Firmware Version	V5.5.33 build 210202
SDK Version	V6.1.5.35 build20200908
Play Lib	V7.3.9.41 Win32_Base_Build20200716
iVMS-4200	V3.2.2.103 build20200903
Web Component/Plugin Version	V4.0.1 build 210114 /3.0.7.35

2. New Updates

2.1 Hardware Updated

The 100M NIC chipset of camera is changed.

Note: Due to hardware limitation, camera cannot revert back to earlier firmware version after upgrading to version 5.5.33.

2.2 Optimized Features

2.2.1 VCA algorithm optimization

- Enhanced the generation speed of targets in scenes of image blur and low temperature difference scene.
- Improved the generation speed of axial and distant targets.
- Improved the stability of the tracking box when switching between different targets.
- Tracking strategy optimized, solved the drift problem of bounding boxes.
- Size filter default parameter adjusted to reduce false alarm rate.

Note: Only applicable for 160x120 resolution devices.

2.2.2 Removed the background interference suppression

- Removed the background interference suppression configuration in thermal channel.

Note: Only applicable for 160x120 resolution devices.

2.2.3 Removed the "all" option from the Detection Target

- Removed the "all" option from the behavior analysis detection target configuration. Only Human, Vehicle, Human & Vehicle, three types are selectable.

Note: Only applicable for 160x120 resolution devices.

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 Vehicle Human & Vehicle

2.2.4 H7 security camera default target type

- H7 security camera default target type is changed to Human by default.

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

2.2.5 Intrusion alarm trigger time range is extended to 0~10s

- V5.5.30: Alarm trigger duration range is 1-10s.
- V5.5.33: Alarm trigger duration range is 0-10s. 0s duration is configurable.

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

3. 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-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-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-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	

4. Client and Platform Compatibility

Thermal camera Version	V5.5.33 build 210202					
Test equipment	IVMS-5200E	IVMS-4200	I series NVR	I series NVR	IE explorer	HIK central
Version	V3.3	V3.2.2.103 build20200903	DS-96XX-116 NVR V4.1.50 180227	DS-96XX-116 V3.4.95 customized	IE10+	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, Web)	√	√ (Software associated with the browser to configure)
Setup Dynamic Fire Detection	×	√	√(4200, only support linkage)	√(4200)	√	√ (Software associated with the browser to configure)
Setup Temperature Measurement	×	√	√(4200, 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)	√	√

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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