

**Thermal Network Bullet Camera & Turret Camera**

**V5.5.48 build 220126**

**Release Note**

**(2022-02-18)**

## 1. Basic Information

Firmware Version	V5.5.48 build 220126
SDK Version	V6.1.7.40 build20210720
Play Lib	7.4.0.41 Win32_Base_Build20210812
iVMS-4200	V3.7.2.2 build20220119
Web Component/Plugin Version	V4.0.1.0 build 210630/3.0.7.42
Behavior analysis algorithm version	V1.9.2build20220119
Fire Source Detection Algorithm Version	V3.0.2build20201020
Temperature Measurement Algorithm Version	V2.1.1build20211012

## 2. New Features

2.1 Add following 5 new models.

DS-2TD2528T-3/Q	DS-2TD2528T-7/Q	DS-2TD2528T-10/Q
DS-2TD2537T-10/Q	DS-2TD2537T-15/Q	

2.2 Support Smoking Detection.

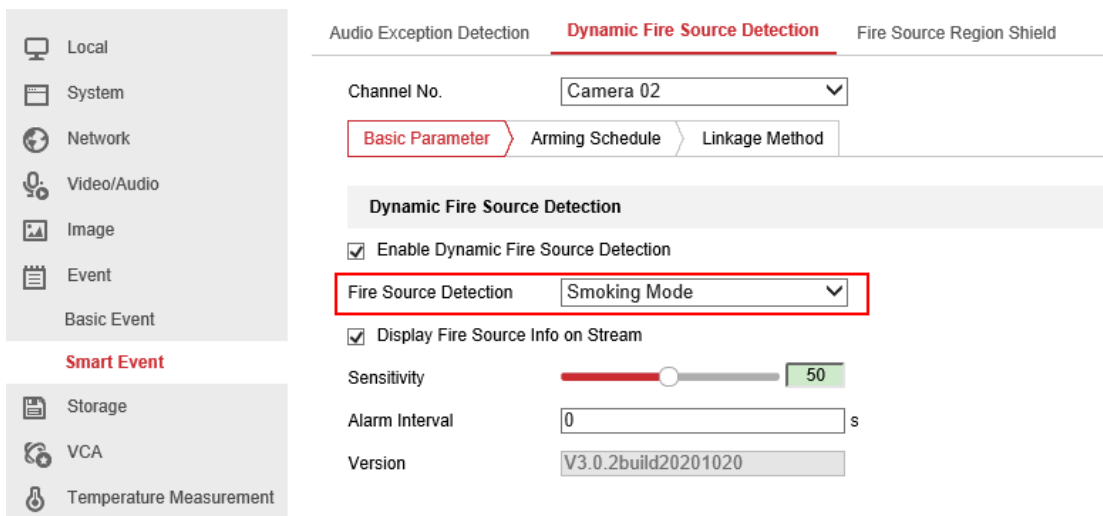


Figure 1

2.3 Fusion (Details Overlay) is supported on devices with 256 and 384 resolution (DS-2TDxx2x, DS-2TDxx3x), which is disabled by default.

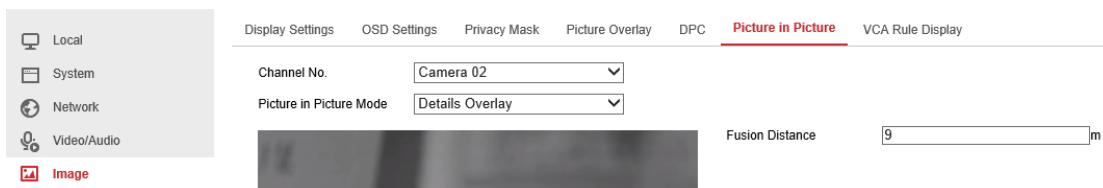


Figure 2

Note: Device with 256 resolution (DS-2TDxx2x) only supports fusion if it is produced after Mar.2022.

2.4 Duration of Intrusion support up to 30 seconds.

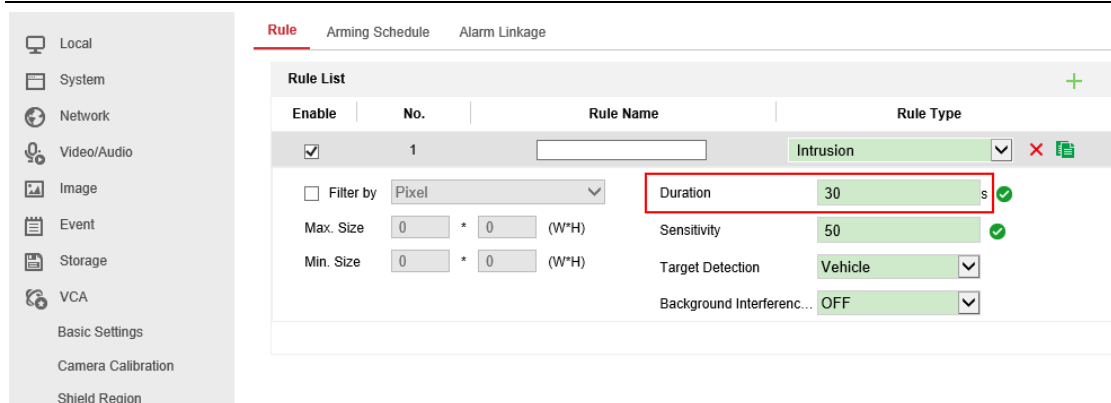


Figure 3

2.5 Update forklift samples and optimize algorithm to reduce the forklift and reflect light false alarms.

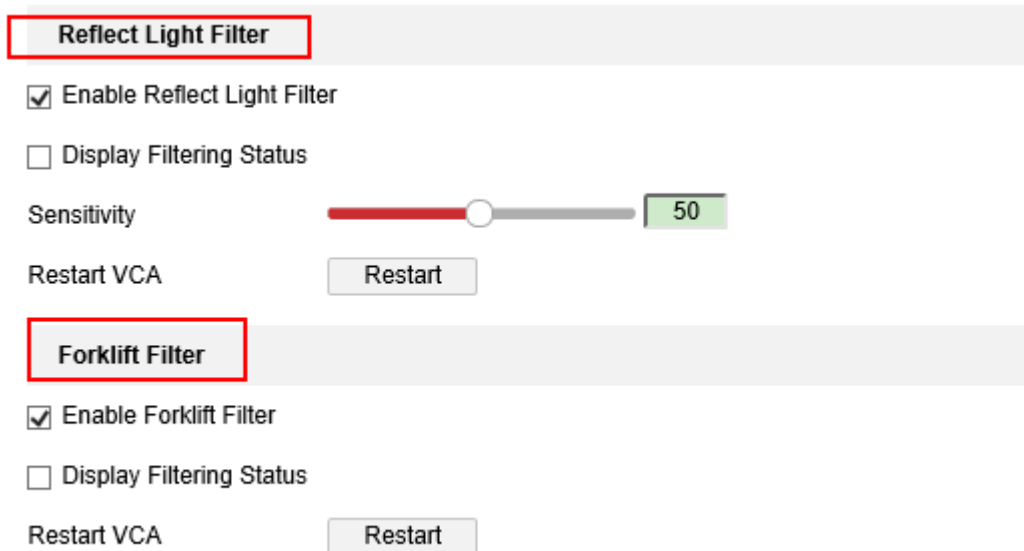
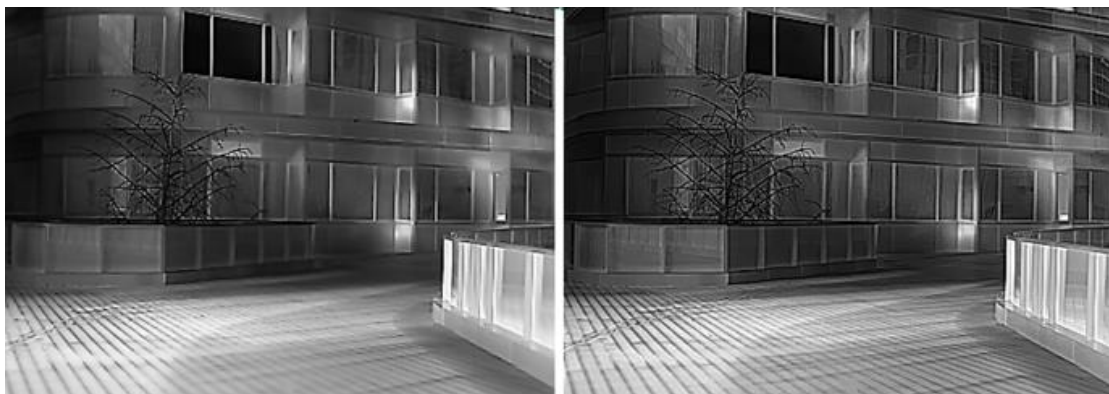


Figure 4

2.6 Image quality optimization for devices with 384 resolution.



Original

New

Figure 5

2.7 Display VCA Info By Video and Details Overlay cannot be enabled simultaneously for devices with 256 and 384 resolution (DS-2TDxx2x, DS-2TDxx3x).

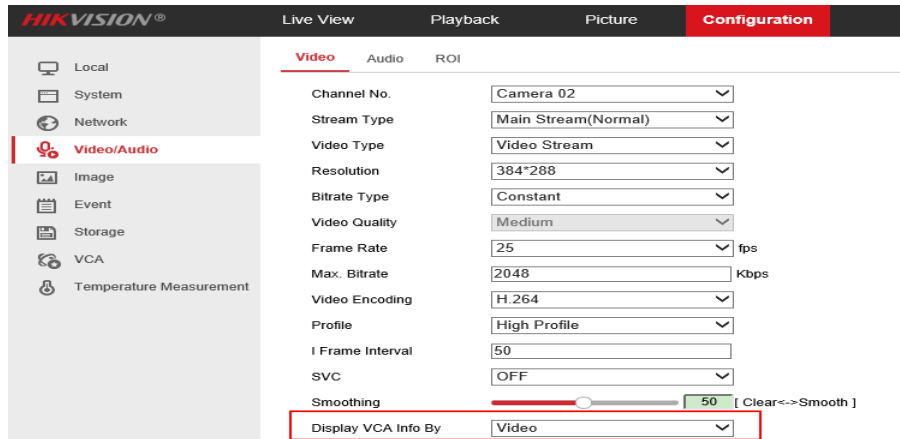


Figure 6

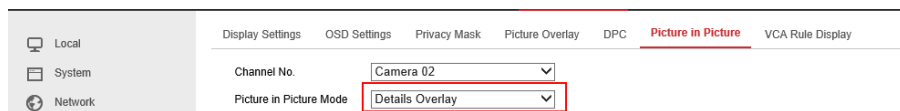


Figure 7

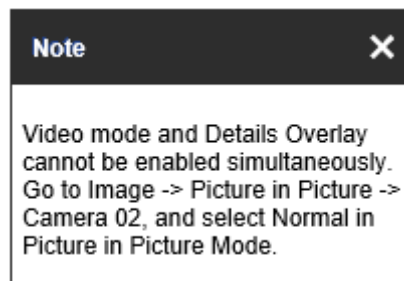


Figure 8

2.8 Alarm picture buffer optimization. When the alarm picture is larger than 2MB, it can also be uploaded to NVR normally.

## 2 Supported Product List

Device with 160 resolution		
DS-2TD1217-2/QA	DS-2TD1217-3/QA	DS-2TD1217-6/QA
DS-2TD2617-3/QA	DS-2TD2617-6/QA	DS-2TD2617-10/QA
Device with 256 resolution		
DS-2TD1228-2/QA	DS-2TD1228-3/QA	DS-2TD1228-7/QA
DS-2TD1228T-2QA	DS-2TD1228T-3QA	
DS-2TD2628-3/QA	DS-2TD2628-7/QA	DS-2TD2628-10/QA
DS-2TD2628T-3QA	DS-2TD2628T-7QA	
DS-2TD2528T-3/Q	DS-2TD2528T-7/Q	DS-2TD2528T-10/Q
Device with 384 resolution		
DS-2TD2138-4/QY	DS-2TD2138-7/QY	DS-2TD2138-10/QY
DS-2TD2138-15/QY	DS-2TD2138-25/QY	
DS-2TD2537T-10/Q	DS-2TD2537T-15/Q	

## 3 Third-party Integration

Thermal cameral Version	V5.5.48 build220126				
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 measurment will be finsih 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 metedata, and the integration of different version of Milestone is as belwo.				

## 4 Client and Platform Compatibility

Thermal cameral Version		V5.5.48 build 220126	
Test equipment	iVMS-4200	I series NVR	IE explorer
Version	V3.6.4.2 build20210818	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.

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