

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.

Q	Local	Audio Exception Detection	Dynamic Fire Source Detection	Fire Source Region Shield				
	System	Channel No.	Camera 02 🗸]				
G	Network	Basic Parameter Ar	ming Schedule 👌 Linkage Method					
Q.	Video/Audio							
14	Image	Dynamic Fire Source I	Detection					
	mage	Enable Dynamic Fire S	Enable Dynamic Fire Source Detection					
Ë	Event	Fire Source Detection	Smoking Mode 🗸					
	Basic Event	Display Fire Source Inf	o on Stream					
	Smart Event							
		Sensitivity	50					
۵	Storage	Alarm Interval	0	s				
6	VCA	Version	V3.0.2build20201020					
6	Temperature Measurement							

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.

Ţ	Local	Display Settings OSI	D Settings	Privacy Mask	Picture Overlay	DPC	Picture in Picture	VCA Rule Display	
	System	Channel No.	Came	era 02	\sim				
Ø	Network	Picture in Picture Mod	e Detai	ls Overlay	~				
<u>Q.</u>	Video/Audio	14					Fusion Distance	9	m
14	Image								

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.



Ģ	Local	Rule Arming S	Schedule	Alarm Linka	ge				
	System	Rule List							+
Ø	Network	Enable	No.		Rule Nar	ne	R	ule Type	
<u>.0</u> .	Video/Audio	\checkmark	1				Intrusion	✓ ×	
1	Image	Filter by	Pixel		\sim	Duration	30	s 🥑	
Ë	Event	Max. Size	0	* 0	(W*H)	Sensitivity	50	0	
B	Storage	Min. Size	0	* 0	(W*H)	Target Detection	Vehicle	\checkmark	
63	VCA					Background Interfere	nc OFF	\checkmark	
	Basic Settings								
	Camera Calibration								
	Shield Region								
				[]					

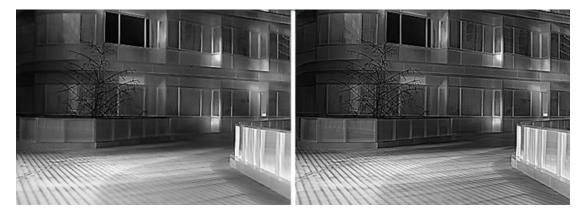


2.5 Update forklift samples and optimize algorithm to reduce the forklift and reflect light false alarms.

Reflect Light Filter							
✓ Enable Reflect Light Filter							
Display Filtering Status							
Sensitivity	50						
Restart VCA	Restart						
Forklift Filter							
Enable Forklift Filter							
Display Filtering Status							
Restart VCA	Restart						

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).

HIM	VISION®	Li	ve View	F	Playbac	k Picture	Configuration
	Local		Video	Audio I	ROI		
-	System	_	Channel	No.		Camera 02	~
ß	Network		Stream 1			Main Stream(Normal)	~
\$	Video/Audio		Video Ty			Video Stream	~
_ <u>₹0</u>	Image		Resolutio			384*288	~
			Bitrate T	уре		Constant	~
	Event		Video Qi	uality		Medium	\sim
	Storage		Frame R	ate		25	❤ fps
6	VCA		Max. Biti	rate		2048	Kbps
9	Temperature Measure	ement	Video Er	ncoding		H.264	~
			Profile			High Profile	~
			I Frame	Interval		50	
			SVC			OFF	\sim
		_	Smoothi	ng			50 [Clear<->Smooth]
			Display V	VCA Info By	У	Video	~
-	ocal	Display Setting: Channel No.	s OSD Se	ttings Priva Camera 02	acy Mask	Picture Overlay DPC Picture	vCA Rule Display
Ø N	letwork	Picture in Pic	ture Mode	Details Ove	erlay	~	
					F	igure 7	
				Note	÷		×
				canno Go to Came	ot be Imag era 02	e and Details Over enabled simultane je -> Picture in Pic , and select Norm Picture Mode.	ously. ture ->
							1

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-2TD1217-2/QA DS-2TD1217-3/QA							
DS-2TD2617-3/QA	DS-2TD2617-6/QA	DS-2TD2617-10/QA						
Device with 256 resolution								
DS-2TD1228-2/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

V5.5.48 build220126							
Milestone	Milestone Mirasys Seetec ONSSI						
series with	VMS Enterprise, VMS Pro	Cayuga R10	Ocularis 5.4(5.4.0.128)	Intellect 4.10.1			
√	×	×	×	√			
×	×	×	×	×			
×	√	×	×	×			
√	√	√	√	√			
√	√	×	×	×			
√	√	×	×	×			
	Milestone XProtect series with Corporate 2017 R2 √ ×	Milestone Mirasys Milestone XProtect series with Corporate 2017 R2 VMS Enterprise, VMS Pro √ × × ×	Milestone Mirasys Seetec Milestone XProtect series with Corporate 2017 R2 VMS Enterprise, VMS Pro Cayuga R10 √ × × × × × × × × √ × × √ × × √ √ × √ √ × √ √ ×	MilestoneMirasysSeetecONSSIMilestone XProtect series with Corporate 2017 R2VMS Enterprise, VMS ProCayuga R10Ocularis 5.4(5.4.0.128)V××××××××××√×××√√×××√√×××√√×××√√√××√√××			

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



First Choice for Security Professionals

Thermal cameral Version V5.5.48 build 220126						
Test equipment	iVMS-4200	I series NVR	IE explorer			
Version	V3.6.4.2	DS-96XX-I16	IE10+			
Version	build20210818	NVR V4.1.50 180227				
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	√	√(Web)	√			
Entrance, Region Exiting)						
Setup Dynamic Fire Detection	~	√(4200, only support	1			
	v	linkage)	v			
Setup Temperature Measurement	1	√(4200, only support	√			
Setup Temperature Measurement	v	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.

<u>Remarks:</u>

- Hikvision reserves the right to change, alter or withdraw the above notification without prior notice.
- Product design and specifications are subject to change without prior notice.
- The Hikvision firmware may contain errors known as errata which may cause the product to deviate from published specifications. Current characterized errata are available on request.
- Hikvision is not liable for any typing or printing errors.



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