

## **Thermal Network PTZ Camera**

### Version:V5.5.29 build200822

### **Release Note**

## **General Information**

Firmware Version	V5.5.29 build 200822
SDK Version	V6.1.5.15 build20200713
Play Lib	V7.3.9.41
Web Component/Plugin Version	V4.0.1 build 200818/3.0.7.35



### V5.5.29 Key Updates

#### 1. Fire detection

A) The default value of the switch for fire detection is changed to off.

	VISION	Live View	Playback	Picture	Configuration	
Q	Local	Audio Exception Dete	ction Dynamic	Fire Source Dete	ection Fire Sourc	e Region Shield
<b>—</b>	System	Channel No.	Camera	02	~	
Ð	Network	Basic Parameter	Arming Sched	ule 👌 Linkage N	lethod	
.Q.	Video/Audio	Application Scene	Straw Bu	urning	$\sim$	
1	Image	Installation Height	-0		50 m	
<u>.</u>	PTZ	Dynamic Fire S	ource Detection			
圁	Event	Enable Dynami	c Fire Source Dete	ction		
	Basic Event	Display Fire So	urce Info on Stream	1		
	Smart Event	Detection Mode	by Multip	ole Frame	$\sim$	
	Storage	Cancel Repeat	ed Alarm			
\$	Temperature Measurement	Sensitivity during P	atrol	0	50	
		Verification Sensitiv	vity		50	
		Hold-and-Alarm Mo	ode Auto		$\sim$	
		Dwell Time			5 s	
		Fire Source Zoom	Ratio Auto		~	
		Version	V3.2.0bu	iild20200417		

Figure 1

- B) Fire detection algorithm optimization.
  - Reduce the fire point false alarm according to add the filter for peaks and stone during suspicious detection and secondary verification.
  - Fire detection process will terminate immediately if sun is detected in the screen when enable the burning-prevention function, and the device will continue to move to avoid burning detectors.
- C) Newly add super-angle drawing mode for fire point shield region to keep large range by setting four vertices of area.

Drawing steps:

- Choose "draw area", the red dot in the picture is the first point. Choose 1 in the Vertex No., then click on "Set Vertex ", the first point would be set successfully
- Click direction button to control the camera and set Vertex No 2 to No4 clockwise or anticlockwise in sequence like as Vertex No1.
- Region would be set up successfully after click "add" button.



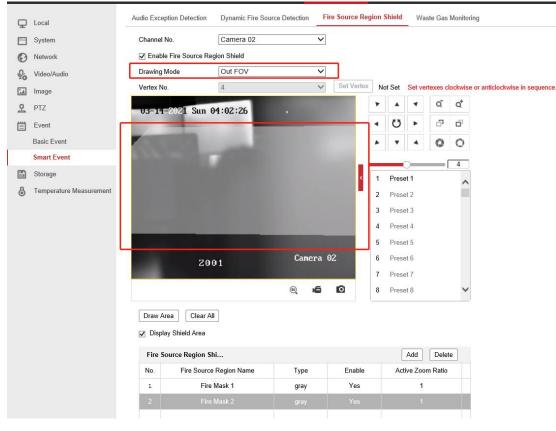


Figure 2

### 2. Behavior Analysis

Support scene ratio setting for optical channel, users could set the scene ratio according to different requirements.

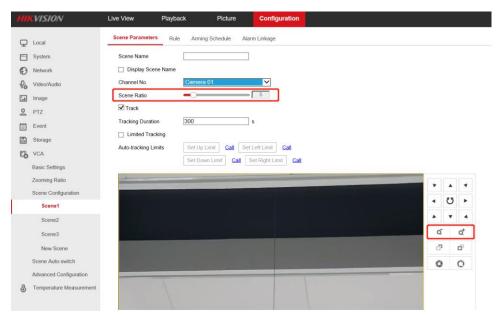
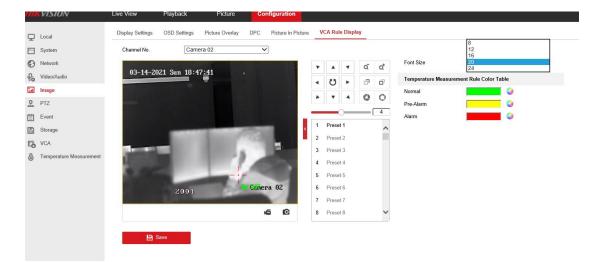


Figure 3



#### 3. Temperature Measurement

Supports modifying the temperature value font size and cross cursor size in player/video mode in Configuration > Image > VCA Rule Display > Font Size.





#### 4. Platform integration

 A) Support http listening, in the scene with low frequency of alarming, using http listening could relieve the pressure of bandwidth and receive the alarm

information at the same time.

HII	VISION	Live View	/iew Playback		Picture Configuration		uration					
Ţ	Local	SNMP	FTP	Email	Platform	Access	HTTPS	QoS	802.1x	Integration Protocol	Network Service	HTTP Listening
	System	HTTP Data Transmission						Default				
Ð	Network	D	Destination IP or Host Name					URL		Protocol	Port	Test
	Basic Settings					1		HTTP	80	Test		
	Advanced Settings											
<u>Q.</u>	Video/Audio											
1	Image											
므	PTZ		E :	Save								
圁	Event											
B	Storage											
63	VCA											
\$	Temperature Measurement											



B) Support cloud storage function. Images would be directly uploaded to the cloud storage when http defense, http monitoring, EHOME2.0 and ISUP5.0 are used to deliver the alarms after enabling cloud storage service. Meanwhile the URL of the



#### image would be reflected in the alarm message.

HIN	VISION	Live View	Playback	Picture	Configuration	
Ţ	Local	HDD Management	Net HDD	Cloud Storage		
	System	Enable Cloud	Storage			
Ð	Network	Protocol Version	Clo	ud2.0	$\checkmark$	
<u>Q.</u>	Video/Audio	Server IP	0.0.	0.0		
1	Image	Server Port	601	1		
<u> </u>	PTZ	AccessKey				
圁	Event	SecretKey				
₿	Storage	Picture Storage Po				
	Schedule Settings		Te	st		
	Storage Management					
6	VCA	🗎 Sav	ve			
٩	Temperature Measurement					

#### Figure 6

#### C) Support ISUP5.0 which improves security.

HIKVISION	Live View	Playba	ack Pictu	ire	Configu	ration		
Local	SNMP FTP	Email	Platform Access	HTTPS	QoS	802.1x	Integration Protocol	
System	Enable							
Network	Platform Acce	ess Mode	ISUP		~			
Basic Settings	Protocol Versi	ion	ISUP5.0		~			
Advanced Settings	Server Addres	ss	0.0.0.0					
Video/Audio	Port		7660		<b>S</b>			
Image	Device ID		D49554778	D49554778				
PTZ	Key				$\otimes$	The item ca	annot be empty.	
Event	Register Statu	IS	Offline		$\checkmark$			
🖺 Storage			_					
Ko VCA	B	Save						
S Temperature Measurement								

Figure 7

### 5. Others

A) Thermal main stream resolution all support 1280\*720, 704\*576, 640\*512,



384\*288, 352\*288 whatever 384 detector or 640 detector. So that users could set up different devices to the same resolution. This will keep the device at the same display size when you switch previews for different devices on a larger screen.

HI	VISION	Live View	Live View Playba		ck Picture	Con	nfiguration
Ţ	Local	Video	Audio	ROI	metadata Settings		
	System	Chann	el No.		Camera 02	~	]
Ð	Network	Stream	n Type		Main Stream(Normal)	~	]
<u>.</u>	Video/Audio	Video	Туре		Video Stream	Q, _	]
1	Image	Resolu	ution		384*288 352*240		
오	PTZ	Bitrate	Туре		704*480 1280*720P		
間	Event	Video	Quality		640*512		J
B	Storage	Frame	Rate		50	~	fps
63	VCA	Max. E	lax. Bitrate		2048		Kbps
<b>~о</b>	Temperature Measurement	Video	Encoding		H.264	~	]
۲	i sinporatare measurement	H.264-	+		OFF	~	]
		Profile			High Profile	~	]
		l Fram	e Interval		50		]
		SVC			OFF	~	]
		Smoot	hing		O	50	[ Clear<->Smooth ]
		Display	y VCA Info	Ву	Player	~	]
			Сору	y to	🗎 Save		I



B) Support Preview and Configuration in Non-IE Browser

Method 1: Using WebSocket technology to preview without the plug-in.

Check both "Enable WebSocket" and "Enable WebSockets" in Network>Advanced Configuration> Network Service.

Q	Local	SNMP	FTP	Email	Platform Access	HTTPS	QoS	802.1x	Integration Protocol	Network Service	HTTP Listening
	System	☑ Er	able Wel	Socket	1						
Ð	Network	🗹 Er	able Wel	oSockets							
	Basic Settings				-						
	Advanced Settings			Save							
Q.	Video/Audio										
1	Image										
Ë	Event										
	Storage										
63	VCA										
\$	Temperature Measurement										



#### Figure 9

Log in to the device directly from the browser. The maximum resolution of the

preview is 2MP (1080P) in this way.

Method 2: Local Service Preview

After the device is connected to the Internet, log in to the browser and click the plugin download button, download automatically and run the plug-in from EZVIZ server.

It supports the same operation as IE.

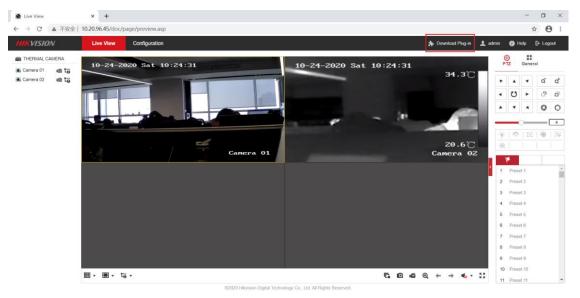


Figure 10

Non-IE browser versions that support the above two functions:

Google Chrome 57 and above

Mozilla Firefox 52 and above

Safari 12 and above

- C) Browsers with a version lower than IE10 are forbidden to log in to the device. When entering the device IP, the browser prompts "The current browser does not support it, recommend a higher version of the browser."
- D) Illegal login locking duration and illegal login attempt times can be configured.



Q	Local	Authentication IP Address Filter Security Service
	System	☑ Enable SSH
	System Settings	Enable Illegal Login Lock
	Maintenance	Illegal Login Attempts -5
	Security	Locking Duration 30 min
	User Management	
Ð	Network	Bave Save
<u>.</u> 9	Video/Audio	
1	Image	
圁	Event	
Ð	Storage	
63	VCA	
٩	Temperature Measurement	



E) Support the configuration of wiper control mode. Users could set the mode of the wiper depending on the actual needs, such as the one time and cycle mode. What's more, the duration and interval could be set when it is in the cycle mode.

	VISION	Live View	Play	back	Picture	Configuration						
Ţ	Local	Basic Settings	Limit	Initial Position	Park Action	Privacy Mask	Scheduled Tasks	Wiper	Clear Config	Prioritize PTZ	Position Settings	Linear Scan
	System	Wiper Mode		Cycle								
Ð	Network	Duration		One time 0	\$ : 10	\$ (00:02 - 24:00	l)(Hour:minute(s))					
Q.	Video/Audio	Interval		5		S						
1	Image											
오	PTZ	8	Save									
Ē	Event											
5	Storage											
63	VCA											
٩	Temperature Measurement											



F) Support the burning prevention log, users could search whether there was a burning prevention movement by searching the related logs.



# **Supported Product List**

DS-2TD4237-10	DS-2TD4237-25			
/V2	/V2			
DS-2TD4136-25	DS-2TD4136-50	DS-2TD4166-25	DS-2TD4166-	
/V2	/V2	/V2	50	
			/V2	
DS-2TD6236-				
50H	DS-2TD6236-75C			
2L/V2	2L/V2			
DS-2TD6266-	DS-2TD6266-75C	DS-2TD6266-		
50H	2L/V2	100		
2L/V2		C2L/V2		
DS-2TD8166-	DE 2TD9166 1006	DS-2TD8166-	DS-2TD8166-	DS-2TD8166-
75C	DS-2TD8166-100C	150	150	180
2F/V2	2F/V2	ZE2F/V2	ZH2F/V2	ZE2F/V2