

NVR4XXX-4KS2_V4.001.0000000.3

Release Notes

ZHEJIANG DAHUA VISION TECHNOLOGY CO., LTD.

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Release Notes

1 Overview

Item		Description
Product model		NVR4XXX-4KS2 Series
Version		V4.001.0000000.3
Software	package	DH_NVR4XXX-4KS2_MultiLang_V4.001.0000000.3.R.20200519.zip
information		DH_NVR4XXX-4R52_MultiLarig_V4.001.0000000.5.R.20200519.2lp
ONVIF version		2.4.1
OS requirement		None

2 New Features

Feature	Description
	① Blocked dangerous commands in the system.
	② Supports disabling unsafe services, and those services are
	disabled by default.
Security baseline V2.1	③ Important operations log.
Security baseline vz.1	Network data transfer encryption control.
	⑤ Non-sensitive data information saved in device-end.
	Secondary authentication for restoring factory defaults.
	⑦ Prompts are added when deleting data.
	① Disk error details are written to log.
	② Disk error details are written to hddinfo file.
Disk error details	3 Supports exporting hddinfo file along with configuration file for
	system analysis.
	④ Does not support exporting hddinfo file on web.
	① Supports displaying thumbnail pictures for one channel playback
Optimized playback function on	② Supports dragging time bar to view video time table.
local GUI	3 Supports dragging the cursor on the time bar to view images in
	iframe of multiple channels.
	① Optimized network security settings which support login
	authentication.
Converte lowin cuthoutionties	② Supports security mode and compatible mode. Security mode is
Security login authentication	set by default for safety concerns.
	③ Security mode is recommended. A prompt will be displayed when
	compatible mode is selected.

	① Supports recording the information of detected plates in bla	ack
	list/white list.	
	Supports entering information of the car owner and validity whadding plate to black list/white list.	nen
	3 Supports displaying the black list/white list information of	the
Optimized plate detection	vehicle corresponding to the plate during playback.	
	Supports vehicle detection when querying black list/white list.	
	Black list/white list information is added to plate informat	ion
	exported file.	
	Supports synchronizing modification of black list/white list to IT	ГC.
	Supports sending plate detection data to DSS platform.	
	① Supports generating IPC offline alarm, event linkage and	log
	when an IPC with POE connection goes offline.	
POE offline alarm	② When an IPC with POE connection goes offline, you need	to
	manually delete the device which will not be dele	ted
	automatically in Camera List.	
	Non-motor vehicle face detection is supported, and face is set	as
Non-motor vehicle face	an attribute of non-motor vehicle detection.	
detection in video structuring	2 Supports non-motor vehicle + face displaying mode in Al pane	ıl.
3	3 Supports searching for face associated non-motor vehicle	on
	face detection interface.	
New languages	Norwegian, Ukrainian, Hebrew, Turkish, Indonesian.	
4G module	① External 4G module.	
	② Supported Model: MF832S.	
	(1) Interfere edicatorant line Concents Content on the autoria on	_:
	Interface adjustment: Use Security Center as the entry in m	ain
	menu.	ain
	menu. ② Added security status page.	
Product security III	menu. 2 Added security status page. 3 Added security information scanning function to detect suppor	
Product security UI	menu. 2 Added security status page. 3 Added security information scanning function to detect suppor security modules.	ted
Product security UI	menu. 2 Added security status page. 3 Added security information scanning function to detect suppor security modules. 4 Added detailed information of security modules, and	ted
Product security UI	 menu. 2 Added security status page. 3 Added security information scanning function to detect suppor security modules. 4 Added detailed information of security modules, and optimized modules will be displayed in green icon. 	ted
Product security UI	menu. 2 Added security status page. 3 Added security information scanning function to detect suppor security modules. 4 Added detailed information of security modules, and	ted
Product security UI	 menu. Added security status page. Added security information scanning function to detect support security modules. Added detailed information of security modules, and optimized modules will be displayed in green icon. 802.1X setting page is moved to SYSTEM submenu. Added CA certificate management function. 	the
Product security UI Support for dual-sensor camera	 menu. Added security status page. Added security information scanning function to detect support security modules. Added detailed information of security modules, and optimized modules will be displayed in green icon. 802.1X setting page is moved to SYSTEM submenu. Added CA certificate management function. 	the ne.
·	menu. 2 Added security status page. 3 Added security information scanning function to detect support security modules. 4 Added detailed information of security modules, and optimized modules will be displayed in green icon. 5 802.1X setting page is moved to SYSTEM submenu. 6 Added CA certificate management function. 1 Supports enabling 2 channels of AI by camera at the same times.	the ne.
Support for dual-sensor camera	menu. 2 Added security status page. 3 Added security information scanning function to detect support security modules. 4 Added detailed information of security modules, and optimized modules will be displayed in green icon. 5 802.1X setting page is moved to SYSTEM submenu. 6 Added CA certificate management function. 1 Supports enabling 2 channels of AI by camera at the same time. 2 Supports enabled 2 channels of different type of AIs at the same	the ne.
Support for dual-sensor camera	menu. 2 Added security status page. 3 Added security information scanning function to detect support security modules. 4 Added detailed information of security modules, and optimized modules will be displayed in green icon. 5 802.1X setting page is moved to SYSTEM submenu. 6 Added CA certificate management function. 1 Supports enabling 2 channels of AI by camera at the same time. 2 Supports enabled 2 channels of different type of AIs at the sat time.	tted tthe ne. me
Support for dual-sensor camera with white illuminator and IR	menu. 2 Added security status page. 3 Added security information scanning function to detect support security modules. 4 Added detailed information of security modules, and optimized modules will be displayed in green icon. 5 802.1X setting page is moved to SYSTEM submenu. 6 Added CA certificate management function. 1 Supports enabling 2 channels of AI by camera at the same time. 2 Supports enabled 2 channels of different type of AIs at the sattime. 3 Supports 2 channels of PTZ.	tted tthe ne. me

		Owner and for a consisted about a size () (1)
	1	Support for associated playback of multi-sensor camera.
	2	Multi-sensor cameras includes: Panoramic 1+1 camera with
		splicing, panoramic 3+1 camera without splicing, double channel
		thermal camera and so on.
Associated playback of	3	When playing back the video of any 1 channel of the multi-sensor
multi-sensor camera		camera, the video is synchronously played with videos of other
		channels in multi-sensor fixed mode.
	4	When playing back the video of 1 channel of multi-sensor
		camera, and select another channel of other cameras, and then
		only videos of selected channels will be played.
	1	Supports waveform display of motion detection sensitivity on
		web.
	2	Supports setting threshold of motion detection sensitivity.
Motion Detection Waveform	3	Supports the comparison of motion detection sensitivity value to
Display on Web		the preset threshold, when the value is larger than threshold, the
		interface glows red; when the value is smaller, the interface glows
		blue.
	1	Supports inputting by USB keyboard.
UBS Keyboard	2	USB keyboard can input characters limited to soft keyboard. USB
		keyboard can coexist with soft keyboard.
	1	Supports disk health alarm.
	2	Supports linkage action for disk health alarm.
	3	In linkage settings, log is enabled and buzzer is disabled by
		default.
Alarm Linkage for Disk Health	4	Disk health detection is conducted once a day in every morning,
		and you can also manually conduct this detection. Every time
		disk health is detected and health status is updated, the linkage
		action will be performed.
	1	Supports storage by quota.
	2	Supports setting quota for both videos and images.
Quota management	3	Support for the switching of disk quota mode and disk group
		mode.
	4	The switching of storage mode requires formatting HDD.
	1	Supports one-click disarming, which is disabled by default.
	2	Supports individually disarm linkages such as Buzzer, Show
		Message, Alarm-out Port and Send Email.
	3	The Live interface uses a bell icon on the upper-right corner of
One-click disarming		video channels to display disarming status. The intact bell icon is
		displayed by default, and when disarming is enabled, the bell
		icon is displayed with a slash.
		Supports enabling and disabling disarming on the upper-right
		corner of video channels on Live interface.
	(5)	Supports one-click disarming function on client software such as
		DSS client.

	① The web supports displaying Al alarm on Live interface.	
	② Operations on AI panel will be synchronized to the device end.	
Al panel on web	3 Support for a switch to open and close Al panel.	
, a paner on their	Supports displaying attribute settings on Al panel.	
	Supports displaying linkage pictures on Al panel.	
	Adjusted restoring defaults interface, and simplified one-clie	
	restoring defaults.	011
	Secondary authentication for restoring factory defaults (adm	nin
Secondary authentication for	user only).	
restoring factory defaults and	 Data in database will be deleted after restoring factory defaults. 	_
formatting HDD	Secondary authentication for formatting HDD (admin user only)	
	A dialog box of deleting database option is added when	
	formatting HDD, and the selected option is No by default with ris	
	warning.	
	Supports visiting devices through SSH service.	
SSH Service	2 Provides SSH enable switch. After it is enabled, you can vis	sit
	devices through SSH service.	
	Supports subscribing events by time period, and only received.	ve
	event information within the time period	
	② Support setting by week and individually setting time period f	or
APP Do-Not-Disturb mode	each day of the week.	
	③ Event type is not distinguished currently, and events will be	эе
	pushed to the APP with no difference.	
	Removed year setting in DST settings.	
Ontimized DST function	② DST is automatically adjusted annually.	
Optimized DST function	③ Support for automatic adjustment for year setting configured of	on
	the client.	
	① Support for access of multi-rule people counting camera.	
	② Support for multi-rule people counting configuration.	
Support for multi-rule people	③ Support for multi-rule linkage configuration and linkage action.	
counting	Supports querying and exporting the report of multi-rule peop	ole
	counting.	
	© Supports sending real-time report of multi-rule people counting	to
	platform.	
	People counting configuration interface is displayed by list.	
	2 Supports adjusting configurations for different people counting	ng
	cameras.	
Optimized people counting	3 Supports configuring people counting by preset for speed dome	
interface	People counting system includes a variety of types: single rul	
	stereo vision passenger flow, multi-region people countin	g,
	multi-rule people counting.	
	© Queuing configuration interface is displayed by list.	

	$\ensuremath{\textcircled{1}}$ Added a quick operation bar in the local secondary menu for fast
	jumping to the same level menus.
	② Quick operation bars are added in secondary menu and setting
Quick Operation Bar	pages.
	$\ensuremath{ }$ $\ensuremath{ }$ SEARCH submenu does not support quick operation bar, and
	you can jump to SEARCH submenu from quick operation bar in
	other submenus.
	① Supports adding remote devices with IPV6 address
Adding remote devices with	② Supports manually adding remote devices with IPV6 address.
IPV6 address	③ Searching for front-end devices with IPV6 address is not
	supported currently.
	① If H.265 Auto Change is enabled when adding a camera, the
	added device will be switched to the H.265 encoding and the
	video stream is automatically adjusted according to the
U 265 auto avvitab	conversion strategy.
H.265 auto switch	② Priority of adjusting video stream: Acquiring H.265 value
	recommended by camera > Calculating the average of the sum
	of the maximum and minimum values when the stream is not
	within the H265 code stream range.

3 Fixed Bugs

None.

4 Instructions for New Features

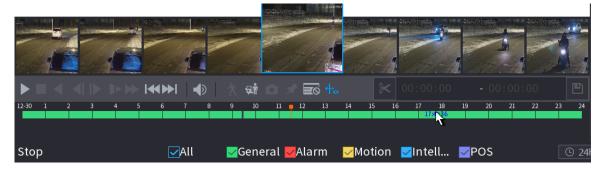
1.4.1. Optimized Playback Function on Local GUI

Playback function on local GUI is optimized and the following functions are added: Time bar dragging, thumbnail pictures displaying for one-channel playback, and dragging to view videos for multi-channel playback.

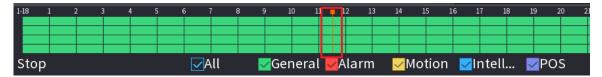
- i. Click and hold the time bar, and the mouse pointer shall change to a hand icon, and then you can drag to view the playback of the target time.
 - 1. Supports dragging forward and backward. Supports cross- day dragging, and the date in the calendar automatically updates to the target time.
 - 2. Supports dragging in window split mode. The time displayed on time bar changes synchronously when dragging.



ii. Displaying thumbnail pictures: When playing back video in one channel mode, you can move mouse pointer to time bar for 0.1 seconds to display thumbnail pictures for the video of selected time. 8 pictures before and after the selected time in total will be displayed at most, and 1 picture of the selected time will be displayed.



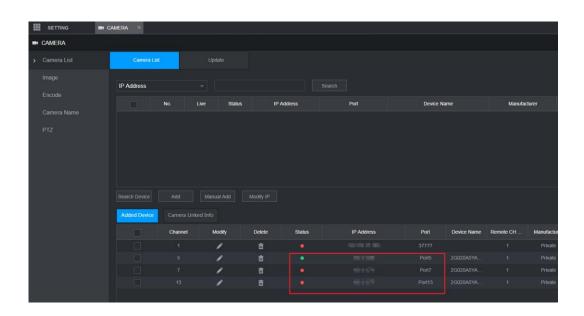
iii. Multi-channel dragging with picture browsing in iframe. This feature supports prompting a pop-up window for thermal event linkage. When playing back videos, you can drag the vertical orange line on the time bar to rapidly view the playback in iframe format.



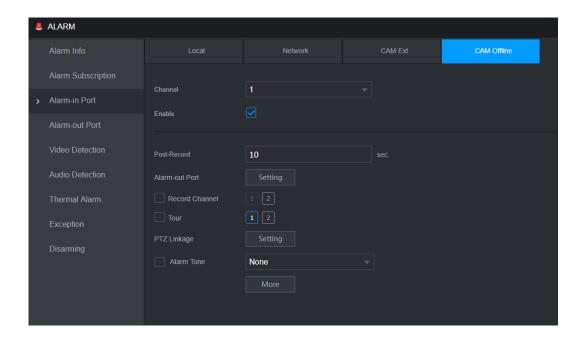
1.4.2. POE Offline Alarm

The NVR supports sending an alarm when the device connected to POE port goes offline, and you need to manually delete the device which will not be deleted automatically in **Camera List**. When the camera is offline, text of login timeout will be overlaid on the channel screen.

i. Optimized POE channel connection status. When the cable of the POE channel is unplugged, the channel information is kept and needs to be manually deleted. When you move an IPC from one POE port to another, the original POE port information still exists and the status is offline. See the following figure.

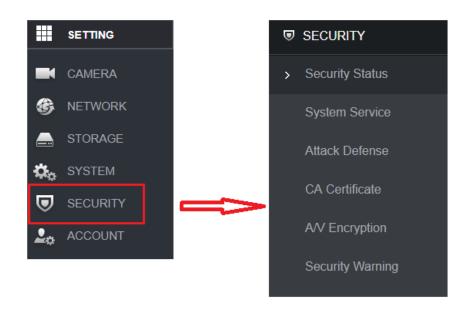


ii. When the IPC connected to POE port goes offline, the NVR will trigger an IPC offline alarm, and perform linkage operation and write an offline record to log.

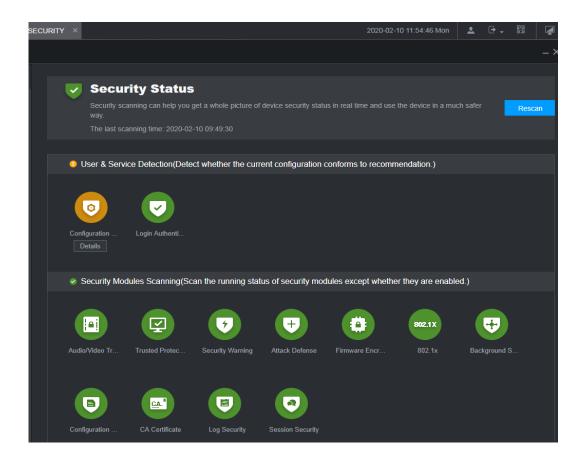


1.4.3. Product Security UI

i. The user interface of product security is adjusted, and all modules are integrated in **Security Center** as the entry in main menu. Those modules include: Security status, system service, attack defense, CA certificate, A/V encryption and security warning.



ii. Security status and security module scanning are added.



1.4.4. Support for Dual-Sensor Camera with White Illuminator and IR

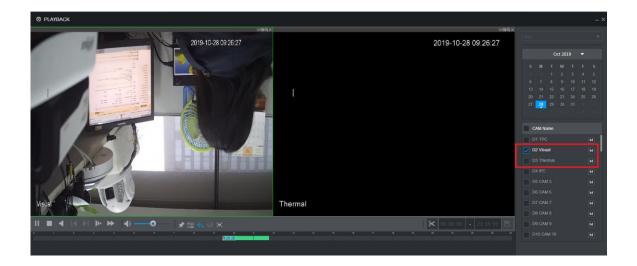
The NVR supports stereo vision cameras, and supports enabling intelligent function combination of two channels according to the camera capabilities. The supported function combination is as follows, and PTZ control of two channels is also supported.

Channel	Panoramic Camera	Detail Camera
Combination 1	Video structuring	Face comparison
Combination 2	1	Video structuring
Combination 2		Face comparison
Combination 3	Crowd distribution	Video structuring
Combination 4	Crowd distribution	Perimeter
Combination 5	Perimeter	1

1.4.5. Associated Playback of Multi-sensor Camera

When playing back the video of any 1 channel of the multi-sensor camera, the video is synchronously played with videos of other channels, and the display mode is the same with multi-sensor live view mode. The following multi-sensor cameras are mainly included:

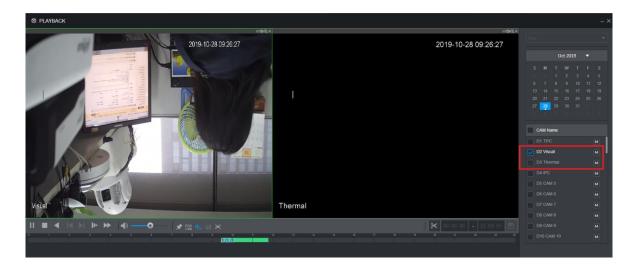
i. Panoramic 1+1 camera with splicing



ii. Panoramic 3+1 camera without splicing. The videos of 3 channels are displayed on upper side, and the video of the left 1 channel is displayed on lower side.

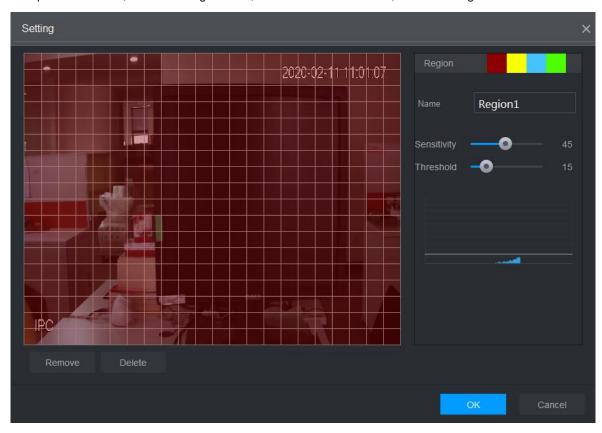


iii. Thermal imaging is displayed like channel 2 in the following figure.



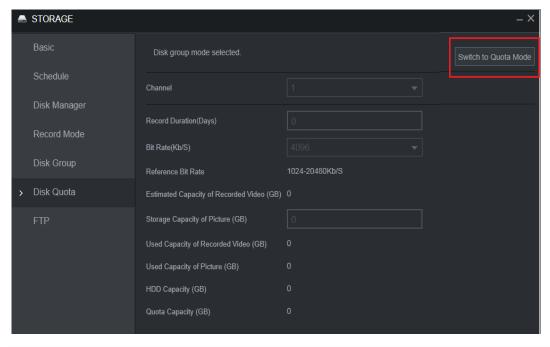
1.4.6. Motion Detection Waveform Display on Web

The NVR supports motion detection waveform display on web, when the value of motion detection is larger than preset threshold, the interface glows red; when the value is smaller, the interface glows blue.



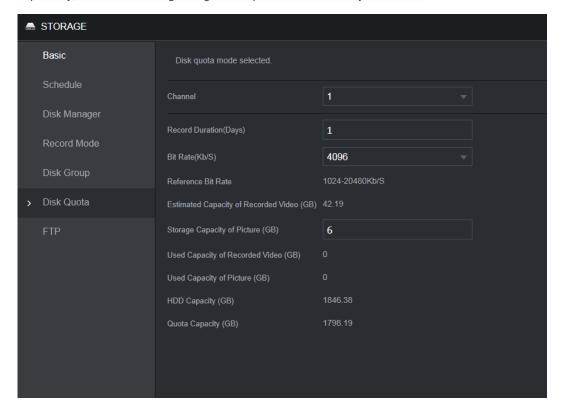
1.4.7. Quota Management

i. The NVR supports quote management. Disk group mode is selected by default, and cannot be enabled with quota mode at the same time. You can switch storage mode on the interface below.

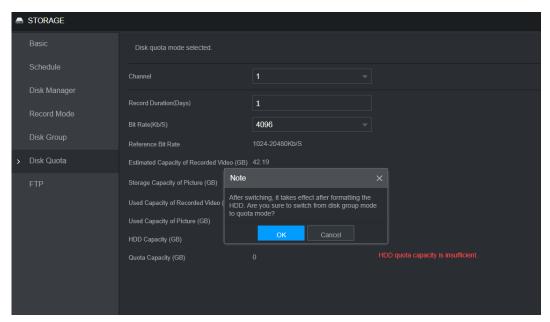


ii. Quota management allows storage capacity to be set by channel, and videos and images can be configured

separately, and the remaining configurable space is automatically calculated.

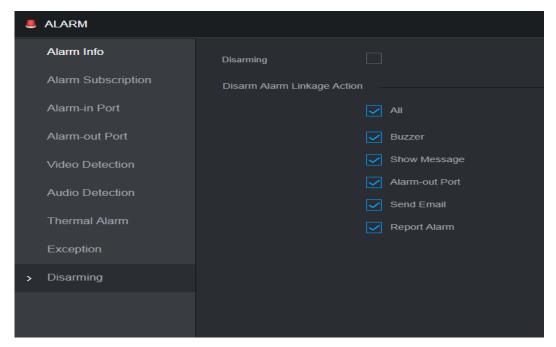


iii. The interface will display a message indicating HDD quota capacity is insufficient, and will continuously prompt for insufficient quota capacity on local live view interface.



1.4.8. One-click Disarming

i. The NVR supports one-click to disarm all alarm linkages, such as Buzzer, Show Message, Alarm-out Port, Send Email, Report Alarm. The Disarming checkbox is canceled by default, and all alarm linkages will be triggered according to original settings.



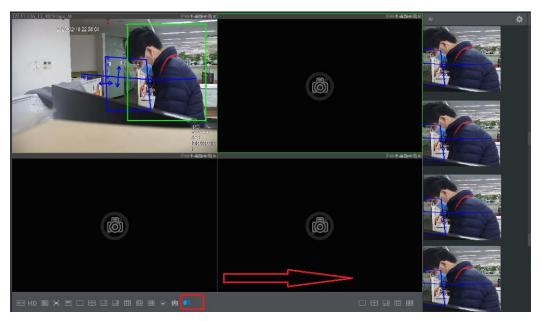
ii. The **Live** interface supports one-click disarming, and it uses a bell icon on the upper-right corner of video channels to display disarming status. When the bell is disabled, the disarming function is enabled and no alarm linkage will be triggered. When the bell is enabled, the disarming function is disabled and all alarm linkages will be triggered according to original settings.

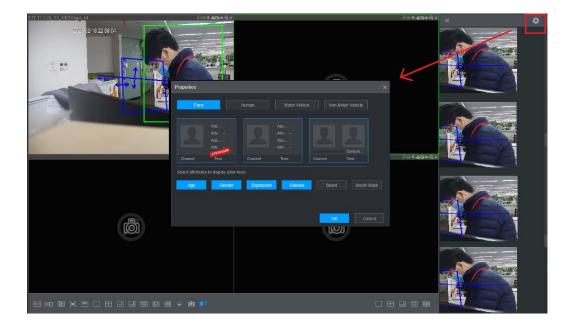


iii. Supports one-click disarming function on DSS and Imou client.

1.4.9. Al panel on web

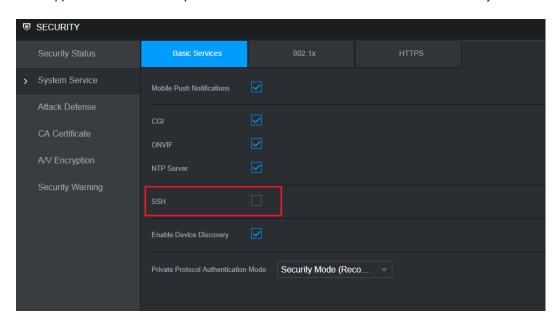
The **AI** panel on web supports the same functions as on local GUI. It can display intelligent events in real time, and display intelligent pictures and intelligent properties. When AI panel is enabled, you can find AI related information on the right side, and the supported intelligent events include: IVS, face detection, face comparison, video structuring, and plate detection.





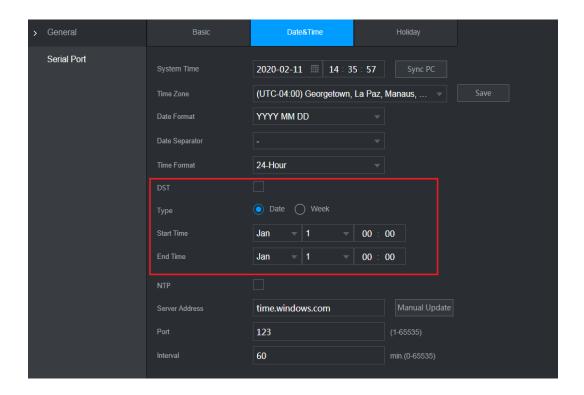
1.4.10. SSH Service

The NVR supports SSH service and provides a SSH enable switch. SSH service is disabled by default.



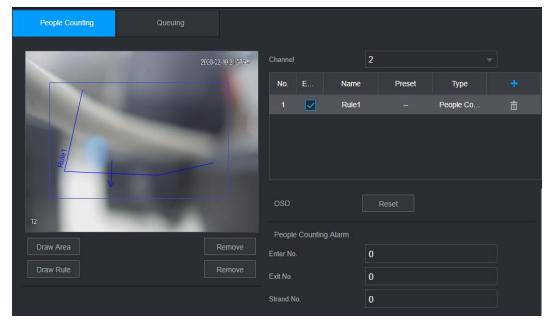
1.4.11. Optimized DST Function

The setting of year in DST is removed bacause it has no practical use. The new DST function is compatible with the settings on previous devices, and also compatible with the settings on the client whether year is set or not.

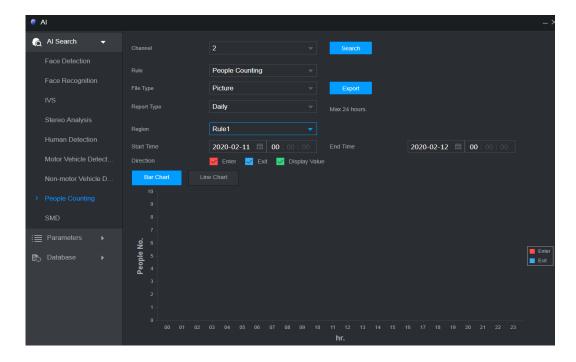


1.4.12. Multi-Rule People Counting

i. When a multi-rule people counting camera is added, you can configure corresponding settings, event storage and linkage actions.



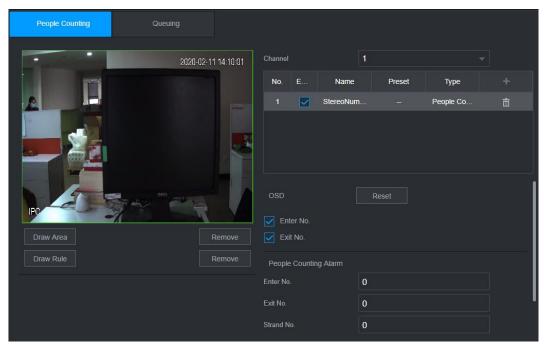
ii. The NVR supports querying and reporting in charts of multi-area people counting, and also supports querying and reporting in charts of set rules of detected areas.



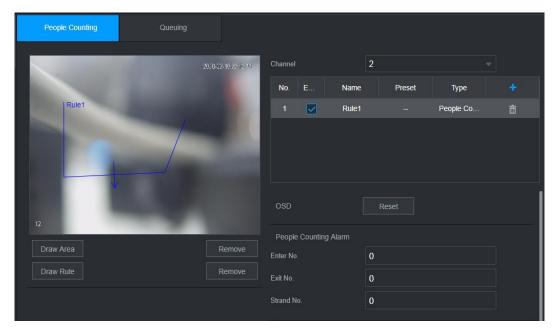
1.4.13. Optimized People Counting Interface

People counting configuration interface is unified for the compatibility with different cameras of various types and rules that support people counting, and the interface provides configuration rules list according to the type of rules supported by different cameras. You can only add one rule in the list for cameras supporting only one rule, and multiple rules for cameras supporting multiple rules. The content of configuration rules varies with different cameras.

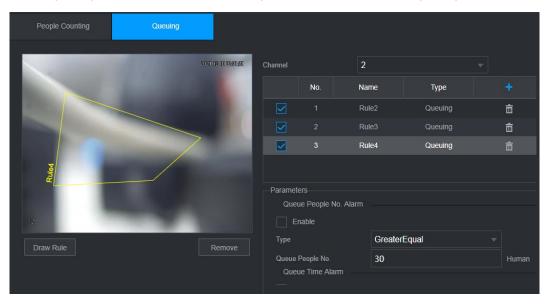
i. You can only add one rule in the list for cameras supporting only one rule. The + turns grey after one rule is added.



ii. You can continue to add rules in the list for cameras supporting multiple rules.

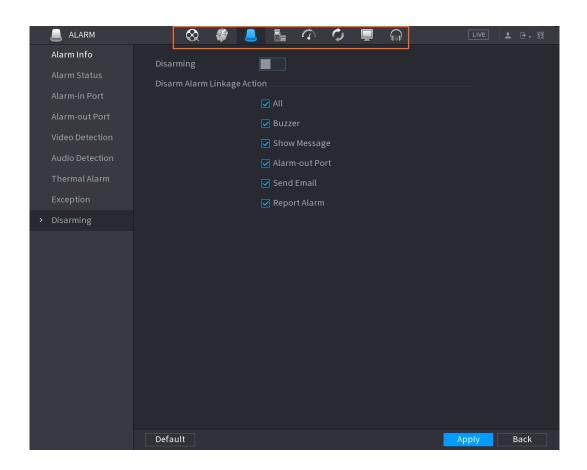


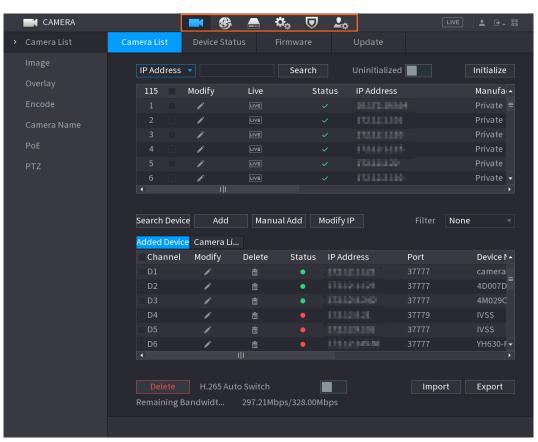
iii. Queuing configuration interface provides configuration list as people counting configuration interface.



1.4.14. Quick Operation Bar

Quick operation bar is added to local GUI for fast jumping and better user experience. You can use quick operation bar to jump to other submenus of the same level.





5 Compatibility

This new baseline version is based on the version of Security Baseline 2.1, and it can be rolled back to the versions after Security Baseline 1.4, but cannot be rolled back to a version prior to Security Baseline 1.4.

6 Software Environment

Model	Version
DH-IPC-HFW2231SN-S-0280B-	DH_IPC-HX2XXX-Mole_MultiLang_NP_V2.800.0000000.3.R.190816.z
S2	ip
DH-IPC-HFW2831TP-ZAS-2713	DH_IPC-HX25(8)XX-Mole_MultiLang_PN_V2.800.0000000.6.R.19102
5-S2	3.zip
DH-IPC-HDW3241TP-ZAS-2713	DH_IPC-HX3XXX-Leo_MultiLang_PN_Stream3_V2.800.0000000.4.R.
5	190927.zip
DH-IPC-HFW5442EP-ZE-2712	DH_IPC-HX5XXX-Volt_MultiLang_PN_Stream3_V2.800.0000000.8.R. 190902.zip
DH-IPC-HDW5241TMP-AS-0280	DH_IPC-HX4XXX-Volt_MultiLang_PN_Stream3_V2.800.0000000.8.R.
В	190902.zip
DH-IPC-HDW5241HP-AS-PV-02	DH_IPC-HX5XXX-Volt_MultiLang_PN_Stream3_V2.800.0000000.8.R.
80	190902.zip
DH-IPC-HDW5241TMP-AS-LED-	DH_IPC-HX4XXX-Volt_MultiLang_PN_Stream3_V2.800.0000000.8.R.
0280B	190902.zip
DH-IPC-HFW7442HP-Z-2712F-D	General_IPC-HX8XXX-Nobel_MCU_V2.800.0000000.2.R.190709.zip
C12AC24V	DH_IPC-HX8XXX-Nobel_MultiLang_PN_V2.800.0000000.2.R.190709.
C12AC24V	zip
DH-IPC-HDBW7842HP-Z-2712F	General_IPC-HX8XXX-Nobel_MCU_V2.800.0000000.2.R.190709.zip
-DC12AC24V	DH_IPC-HX8XXX-Nobel_MultiLang_PN_V2.800.0000000.2.R.190709.
2012/02/1	zip
DH-IPC-HDBW7442HP-ZFR-271	General_IPC-HX8XXX-Nobel_MCU_V2.800.0000000.2.R.190709.zip
2F-DC12AC24V	DH_IPC-HX8XXX-Nobel_MultiLang_PN_V2.800.0000000.2.R.190709.
2. 2012.102.11	zip
DH-IPC-HDW8341XP-3D-0280B	DH_IPC-HX8X4X-Kronos_Eng_P_Stream3_V2.622.0000000.5.R.1812
2 2	15.zip
DH-IPC-PDBW5831P-B360-E4-2	DH_IPC-HX8(5)XXX-Sag_EngSpnFrn_PN_V2.622.0000000.22.R.190
712	225.zip
DH-IPC-PDB4830P-B360-E4-03	DH_IPC-HX8(5)XXX-Sag_EngSpnFrn_PN_V2.622.0000000.22.R.190
60B	225.zip
DH-PSDW5631SP-B360-E4-D20	General_IPC-HX8(5)XXX-Sag_Eng_PN_V2.622.0000000.20.R.190110
4-DC12V	.zip
DH-IPC-EB5531	DH_IPC-HX5X3X-Rhea_MultiLang_NP_Stream3_V2.800.0000010.0.R
	.190807.zip
DH-IPC-EBW8630P	DH_IPC-HX8XXX-Nova2_EngSpnFrn_PN_Stream3_V2.622.0000000.
	7.R.190619.zip
DH-IPC-EBW81242	DH_IPC-EBW8XXXX-Fafnir_MultiLang_PN_Stream3_V2.800.0000000
5 ==5	.0.R.190520.zip

Model	Version
DII DODWOACAO	DH_IPC-PSDW8XXX-Fafnir_EngSpnFrn_PN_Stream3_V2.680.00000
DH-PSDW81642	00.1.R.190517.zip
DIL IDO LIODWO 440D	DH_IPC-HX5XXX-Volt_MultiLang_PN_Stream3_V2.800.0000000.1.R.
DH-IPC-HCBW8442P	190706.zip
ITCOOT DI IAD ID	General_ITC237-PU1B(PW1B)-IR(IRZ)(L)_Eng_PN_Oversea_Europe
ITC237-PU1B-IR	_V2.622.0000000.1.R.181114.zip
ITC237-PW1B-IRZ	General_ITC237-PU1B(PW1B)-IR(IRZ)(L)_Eng_PN_Oversea_Europe
110237-PW1B-IRZ	_V2.622.0000000.1.R.181114.zip
ITC215-PW4I	General_ITC215-PW4I-XXX_Eng_PN_Oversea_ITCPUSH_EuropeEN
110215-20041	TRANCE_V2.623.0000000.1.R.190820.zip
ITCOE2 BE2D	General_ITCXX2-RF2D-IR_Eng_PN_Oversea_3G_V2.622.0000000.7.
ITC952-RF2D	R.190321.zip
ITC252 DC2D	General_ITCXX2-RF2D-IR_Eng_PN_Oversea_3G_V2.622.0000000.7.
ITC352-RF2D	R.190321.zip
ITC314-PH2A	General_ITCXX4-PH1B(PH1C)(PH2A)-(TF2)_Eng_PN_Oversea_Euro
11C314-PHZA	pe_V2.622.0000000.1.R.180418.zip
DH-TPC-SD8X21	DH_TPC-SD8X21-TB_MultiLang_PN_V2.630.0000000.0.R.190831.zip
DU TRO ORGANI T	DH_TPC-SD2221-TB_EngltlSpnFrn_PN_V2.630.0000000.1.R.190530.
DH-TPC-SD2221-T	zip
	General_SDT5XXXX-HN-WA-V_MCU_V2.401.0000000.53.R.191028.z
	ip
SDT5X225-2F-WA	DH_SD-Fafnir_Eng_PN_Stream3-LingtongV2_V2.810.0000000.99.D.1
	91028.zip
DH-SD8A240WA-HNF	DH_SD-Fafnir_Eng_P_Stream3_V2.623.0000000.13.R.190227.zip
	General_SD5AXXX-HN_MCU_V2.401.0000000.41.R.190712.zip
DH-SD5A445XA-HNR	General_SD-Prometheus_MultiLang_NP_Stream3_V2.800.0000000.1
	5.R.190802.zip
	General_SD5AXXX-General_SD-Prometheus_MultiLang_PN_Stream3
DH-SD49425XB-HNR	_V2.800.0000000.19.R.190902.zip
	DH_SD-Prometheus_MultiLang_PN_Stream3_V2.800.0000002.3.R.19
DH-SD1A404XB-GNR	1121.zip
	DH_SD-Eos-Civil_MultiLang_PN_Stream3_V2.800.0000000.5.R.1908
DH-PTZ1C203UE-GN	27.zip
DH-SD6CE230U-HNI	DH_SD-Eos_MultiLang_PN_Stream3_V2.800.0000000.5.R.190827.zip
	DH_SD-Eos-Civil_MultiLang_PN_Stream3_V2.800.0000000.5.R.1908
DH-SD29204UE-GN-W	27.zip
DHI-VTO7541G	General_VTO75XXX_Eng_P_SIP_V1.000.0000000.9.R.190724.zip
	General_VTO2202F_MultiLang_PN_SIP_V4.400.0000000.2.R.201909
DHI-VTO2202F-P	19.zip
	General_VTO64XXF_Eng_P_128M_SIP_V1.000.0000001.0.R.201905
DHI-VTO6421F	17.zip
	General_OverseasDSS-PRO_Win64_IS_V7.002.10AU003.0.R.201911
DSS PRO	13.exe
	General_DSSC9100_MultiLang_Phoenix_V3.000.0000011.0.R.191210
DSSC9100/C9505	.tar.gz
	uyz

Model	Version
playsdk	General_PlaySDK_MacOS64_IS_V3.042.0000000.2.R.190926.zip
DMSS	General_DMSS-Android-Phone-Plus-Device_MultiLang_Basic_IS_V4.
DIVISS	050.0000008.2.R.190924.apk
Player	General_SmartPlayer-Win32_Eng_IS_V4.000.0000001.4.R.191009.zip
NetSDK	General_NetSDK_ChnEng_iOS_IS_V3.051.0000005.2.R.191029.zip
NKB1000	Customer_NKB1000_TurEng_V2.620.13KB100.0.R.20190425.bin
NKB5000	General_NKB5000_MultiLang_V3.212.0000000.1.R.191203.BIN

7 Pending Issues

None.

8 Update Guide

This product can be upgraded in 3 ways, including ConfigTool, local USB disk and WEB client interface.

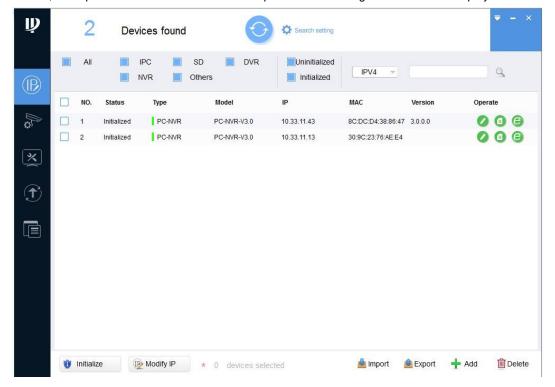
The upgrade time depends on the question whether the device has smart module. It takes about 2-3 minutes to upgrade the version without extension module, and about 7 minutes to upgrade the version with smart module (irrelevant with quantity of smart modules).

VSS takes protective measures to deal with abnormal power-off during upgrade. Upgrade will fail in case of power-off during upgrade, so the user shall try to avoid power-off.

i. ConfigTool (Based on V4.0.9 and Later Version)

Install Configtool -> Add Device -> Select upgrade file and upgrade.

Open ConfigTool to search the NVR and IPC in the same network segment, or you can manually enter the IP to search, and update the NVR that needs to be updated. The ConfigTool interface is displayed as follows:



ZHEJIANG DAHUA VISION TECHNOLOGY CO., LTD.

Address: No.1199, Bin'an Road, Binjiang District, Hangzhou, P.R. China

Postcode: 310053

Tel: +86-571-87688883 Fax: +86-571-87688815

Email: overseas@dahuatech.com Website: www.dahuasecurity.com