

# DH\_NVR2XXX-4KS2\_MultiLang\_ V4.001.0000003.0.R.200727 Release Notes

ZHEJIANG DAHUA VISION TECHNOLOGY CO., LTD.

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#### **1.1 Overview**

Item	Description
Product name	Network Video Recorder
Version	V4.001.0000003.0
Software package information	DH_NVR2XXX-4KS2_MultiLang_V4.001.0000003.0.R.200727.zip
Model	DHI-NVR2104-4KS2, DHI-NVR2108-8P-4KS2, DHI-NVR2104HS-4KS2, DHI-NVR2108-4KS2, DHI-NVR2116-4KS2, DHI-NVR2104-P-4KS2, DHI-NVR2108HS-4KS2, DHI-NVR2204-P-4KS2, DHI-NVR2208-8P-4KS2, DHI-NVR2104HS-P-4KS2, DHI-NVR2108HS-8P-4KS2, DHI-NVR2208-4KS2, DHI-NVR2208-4KS2,
	DHI-NVR2216-4KS2
Onvif Version	2.6.1
OS requirement	None
Release date	2020-07-27

#### **1.2 Product Introduction**

This product is mainly used indoors. Combined with IP cameras, you can use this NVR to complete real-time monitoring and recording. It supports configuring basic parameters by using mouse, and you can build a security monitoring network through web or other professional software developed by Dahua. Product functions include real-time monitoring, record playback, alarm and other auxiliary configuration functions.

#### **1.3 New Features**

Feature Description
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Feature	Description
	1、Blocked dangerous commands in the system.
	2. Supports disabling unsafe services, and those services
	are disabled by default.
	3、Important operations log.
Security baseline V2.1	4、Network data transfer encryption control.
	5. Non-sensitive data information saved in device-end.
	6. Secondary authentication for restoring factory defaults.
	7、Record logs of important operations.
	8、Added prompts of data deletion.
	1、Interface adjustment: Use Security Center as the entry
	in main menu.
	2、Added security status page.
	3、Added security information scanning function to detect
Product security UI	supported security modules.
	4. Added detailed information of security modules, and the
	optimized modules will be displayed in green icon.
	5、802.1X setting page is moved to SYSTEM submenu.
	6、Added CA certificate management function.
Fast live on Web	Fast live on Web
	1、Supports custom fast play
Optimized playback function on local GUI	2、Supports selecting channels during playabck
	3、Optimized cursor and time bar
	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、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. 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
Quick operation bar	setting pages.
	3、SEARCH submenu does not support quick operation
	bar, and you can jump to SEARCH submenu from quick
	operation bar in other submenus.

Feature	Description
	1、Supports adding remote devices with IPV6 address
	2. Supports manually adding remote devices with IPV6
	address.
Adding remote devices with IPV6 address	3、Supports DHCP IPv6
Adding remote devices with if vo address	4、Supports IPv6 config for email server
	5、Supports FTP IPv6
	6. Searching for front-end devices with IPV6 address is not
	supported currently.
	1. Supports one-click disarming, which is disabled by
	default.
	$2  {}_{\scriptscriptstyle \rm N}$ Supports disarming by period. Users can disarm in the
	set time period, and cancel disarming out of the period.
	3、Supports individually disarm linkages such as Buzzer,
	Show Message, Alarm-out Port and Send Email.
	4. The Live interface uses a bell icon on the upper-right
One-click disarming	corner of video channels to display disarming status. The
Che-click disariling	intact bell icon is displayed by default, and when disarming
	is enabled, the bell icon is displayed with a slash.
	5. Supports synchronizing disarming configuration from
	remote IPCs.
	6. Supports enabling and disabling disarming on the
	upper-right corner of video channels on Live interface.
	7. Supports one-click disarming function on client software
	such as DMSS client.
	1、 Supports visiting devices through SSH service.
SSH service	2, Provides SSH enable switch. After it is enabled, you can
	visit devices through SSH service.

## 1.4 Fixed Bugs

None.

# **1.5 Instructions for New Features**

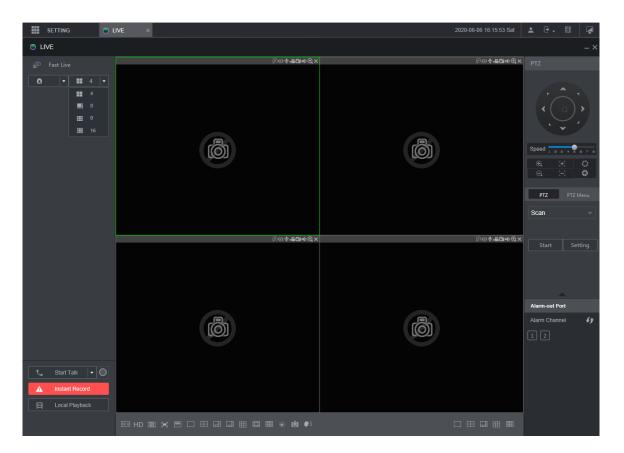
### 1.5.1 One-click Arming/Disarming

Support for one-click to arm or disarm alarm linkage actions in **ALARM** > **Disarming**. Supports disarming by period. Users can disarm in the set time period, and cancel disarming out of the period. Supports synchronizing disarming configuration from remote IPCs.

Disarming	On Close	
Disarm by Period	(Disarm by Period will be valid after one-click disarm is disab	led.)
Duration of Disarm by Period		
Disarm Alarm Linkage Actio		
	All	
	Buzzer	
	Show Message	
	Alarm-out Port	
	Send Email	
	Report Alarm	
Sync Disarm Config with Ch	nels	
	Channel Setting	

#### 1.5.2 Fast Live on Web

A Fast Live function is added on the upper-left corner of the LIVE interface. User can define the channel from which to start multi-window viewing. It starts from the first connected channel and is 4-window play by default.4-Window live view applies main stream. If the split exceeds 4, the system applies sub stream.



#### **1.5.3 Optimized Playback Function on Local GUI**

Playback function on local GUI is optimized and the following functions are added: Custom fast play; channels can be selected during playback; cursor and time bar are optimized.

#### i. Supports custom fast play

Set play intervals such as 1, 3, 5, 15, 30 min or 1 hour.

#### ii. Channels are selectable during playback

Supports adding or reducing channels during playback, and the time bars increase accordingly.

#### iii. Optimized cursor and time bar

The vertical lines on the cursor and time bar are merged into one. During playback, time bar line is used as cursor. The vertical line moves as you drag the time bar.

When the vertical line is on the left end of the time bar, if you drag the time bar to the left, the line keeps still; if you drag the time bar to the right, the line moves right. When the vertical line is on the right end of the time bar, if you drag the time bar to the right, the line keeps still; if you drag the time bar to the left, the line moves left.

1-17	23	1-18	1	2	3	4	5	6 7	8	9	•	10	11			15		17	18
								6 7 06:30:18											
Pla	V						All	<u>_</u> 0	Sene	ral	$\overline{\checkmark}$	Ala	rm	/lotio	n 🖪	<b>/</b> Inte	ell	✓P	OS
	.,																		~~

#### 1.5.4 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.

<b>_</b>	STORAGE			 _ ×
	Basic	Disk group mode selected.		Switch to Quota Mode
	Schedule	Channel		L]
	Disk Manager Record Mode	Record Duration(Days)		
		Bit Rate(Kb/S)		
	Disk Group	Reference Bit Rate	1024-20480Kb/S	
>	Disk Quota	Estimated Capacity of Recorded Video (GB)		
	FTP	Storage Capacity of Picture (GB)		
		Used Capacity of Recorded Video (GB)		
		Used Capacity of Picture (GB)		
		HDD Capacity (GB)		
		Quota Capacity (GB)		

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.

<b>_</b>	STORAGE			
	Basic	Disk quota mode selected.		
	Schedule	Channel	1 ~	]
	Disk Manager	Record Duration(Days)	1	]
	Record Mode	Bit Rate(Kb/S)	4096 🗸	]
	Disk Group	Reference Bit Rate	1024-20480Kb/S	
>	Disk Quota	Estimated Capacity of Recorded Video (GB)	42.19	
	FTP	Storage Capacity of Picture (GB)	6	]
		Used Capacity of Recorded Video (GB)		
		Used Capacity of Picture (GB)		
		HDD Capacity (GB)	1846.38	
		Quota Capacity (GB)	1798.19	

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.

-	STORAGE				
	Basic	Disk quota mode selected.			
	Schedule Disk Manager	Channel		1 ~	
	Record Mode	Record Duration(Days)		1	
		Bit Rate(Kb/S)		4096 -	
	Disk Group	Reference Bit Rate		1024-20480Kb/S	
>	Disk Quota	Estimated Capacity of Recorded Vid	leo (GB)	42.19	
	FTP	Storage Capacity of Picture (GB)	Note		
		Used Capacity of Recorded Video (	HDD. A	vitching, it takes effect after formatting the re you sure to switch from disk group more a mode?	
		Used Capacity of Picture (GB)	to quote		
		HDD Capacity (GB)		OK Cancel	
		Quota Capacity (GB)			

### **1.6 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.

# **1.7 Software Environment**

DH-IPC-HFW1230S1N-0280B-5 2.6.01.05.22361   DH-IPC-HFW1230S1N-0280B-5 2.6.01.05.21042   DH-IPC-HFW2231SN-S-0280B-52 2.6.01.05.21042   DH-IPC-HDW3241TP-ZAS-2713 2.6.01.05.21884   DH-IPC-HDW3241TP-ZAS-2713 2.6.01.16.3243   DH-IPC-HDW3241TP-ZAS-2713 2.6.01.16.30843   DH-IPC-HDW3241TP-ZAS-2713 2.6.01.16.30843   DH-VTO2202F-P DH_VTO2202F_MultiLang_PN_SIP_V4.410.000000.4.R.20200221.zi   P 2.7.03.01.00154   DMSS General_DMSS-Android-Phone-Plus-Device_MultiLang_Basic_IS_V4.   05.0000008.2.R.190924.apk 2.7.01.02.00833   General_DSS-PRO_Win64_IS_V7.002.0000003.0.R.20191008.exe General_SmartPSS_ChnEng_Mac_IS_V2.03.0.R.20191203.pkg.zip   General_SmartPSS_ChnEng_Mac_IS_V2.03.0.R.20191203.pkg.zip 2.8.01.01.01177   player 2.8.02.01.000407   General_ConfigTool 2.8.02.01.00047   General_ConfigTool_ChnEng_V4.011.000003.7.R.20200325.zip   NetSDK General_ConfigTool_ChnEng_V4.011.000003.7.R.20200325.zip   NetSDK 2.6.01.09.0065   General_NetSDK_Eng_Win32_IS_V3.051.000006.1.R.191126.7z   DiskManager 2.6.01.09.00655  General_NtKB1000_Eng_V3.621.0000000.	Model	Version			
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DH-IPC-HFW2231SN-S-0280B- S2 DH_IPC-HX2XXX-Molec_MultiLang_NP_V2.800.000000.16.R.20041 8.zip   DH-IPC-HDW3241TP-ZAS-2713 5 2.6.01.05.21884 DH_IPC-HX3XXX-Leo_MultiLang_PN_Stream3_V2.800.000000.11.R 200513.zip   DHI-VT02202F-P 2.6.01.18.03843 DH_VT02202F_MultiLang_PN_SIP_V4.410.0000000.4.R.20200221.zi p   DMSS General_DMSS-Android-Phone-Plus-Device_MultiLang_Basic_IS_V4.   050.0000008.2.R.190924.apk 2.7.01.02.00833 General_DSS-PRO_Win64_IS_V7.002.000003.0.R.20191008.exe General_DSS-PRO_Win64_IS_V7.002.000003.0.R.20191008.exe General_SmartPSS_ChnEng_Mac_IS_V2.03.0.R.20191203.pkg.zip   Player 2.8.01.01.01177 General_PlaySML_Eng_Windows64_IS_V3.042.000001.2.R.191225. zip   Player 2.8.02.01.00030 General_SmartPlayer-Win32_Eng_IS_V4.000.000001.4.R.191009.zip   ConfigTool 2.8.02.01.00407 General_ConfigTool_ChnEng_V4.011.000003.7.R.20200325.zip   NkB1000 2.6.01.09.00655 General_DiskManager_Eng_WIN32_V2.02.1.R.170417.zip   NkB1000 2.6.01.09.00655 General_NKB1000_Eng_V3.621.000000.0.R.20302.zip	4	0521.zip			
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	NKB2000	General_NKB5000_MultiLang_V3.212.0000001.0.R.200318.BIN			

## **1.8 Pending Issues**

None.

## 1.9 Update Guide

- 1. You can upgrade the NVR by ConfigTool, web and USB flash drive. For details, see Upgrade Guide.
- 2. Services such as recording and live view will be paused during the upgrade process. The NVR works

normally after upgrade and rebooting.

- 3. The upgrade does not affect previous settings of the NVR.
- 4. Do not power off during the upgrade process, or the NVR will not boot up properly.

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