DH_XVR7x16-I_MultiLang_

V4.001.0000000.3.R.200228

Release Notes

ZHEJIANG DAHUA VISION TECHNOLOGY CO., LTD.

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- These release notes are for reference only, and the actual product shall prevail.
- Succeeding products and release notes are subject to change without notice.
- If there is any uncertainty or controversy, please refer to our final explanation.

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Release Notes

1.1 Overview

Item	Description
Product model	DIGITAL VIDEO RECORDER
Version	DH_XVR7x16-I_MultiLang_V4.001.0000000.3.R.200228.zip
Software package information	DH-XVR7116HE-4KL-I;DH-XVR7216A-4KL-I;
OS requirement	None
Release date	2020-02-28

1.2 Functions and Applications

This series product can work with devices such as camera, HDD to monitor the specified scenarios and play back the recorded video files. It can monitor, playback and support remote surveillance once the device is connecting to the network. It supports cellphone monitor from anywhere at anytime through the Internet.

This series product supports five camera signals (CVI, AHD, TVI, CVBS, and IPC) and is compatible with the popular signal types on today's market. It can use the original coaxial cable and support network cable too. It is suitable to update the current system, at the same time; it can meet the expansible requirements of new projects.

CVI product has entered the H.265 era. With the lower bit rate and more advanced compression technology, it can reduce storage space and network transmission data.

1.3 New Features

For new H.265 series products with new software security baseline, the following features are added:

Features might vary from different models, and the actual product shall prevail.

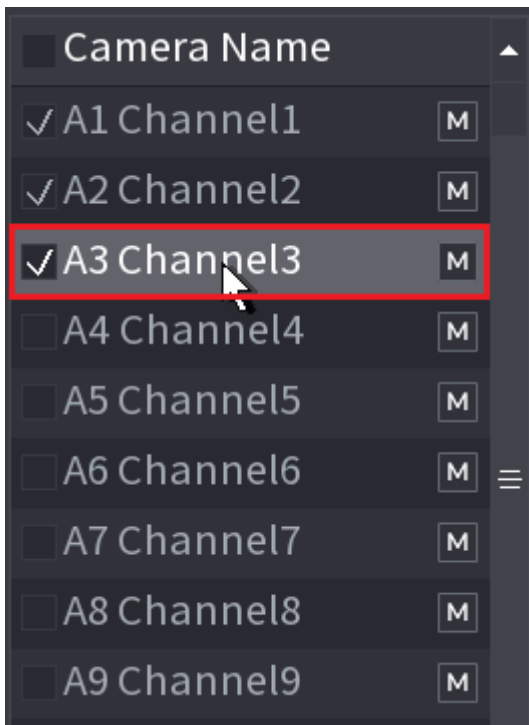| No.	Feature	Description
1	Optimized Video playback	Supports selecting/canceling multiple or all channels Supports dragging the vertical line on the time bar to rapidly view the playback in iframe format. Supports dragging the time bar to view playback of the target time. Supports thumbnail pictures displaying.
2	Quick Operation Bar	Added quick operation bar in sub menus and setting pages for easy access to other modules. Added page turning function on the main menu interface.
3	AI mode on web	Supports remotely checking AI events on web.
4	New languages	Hebrew, Turkish, Indonesian, Ukrainian.
5	One-click arming/disarming	Support for one-click to arm or disarm alarm linkage actions.
6	HIK Vision 4K TVI camera	Support for HIK Vision 4K TVI camera access.

		access	
7	Exporting video playback of smart detection in MP4 format	Supports exporting local and web SMD data in MP4 format. Supports exporting local and web face detection data in MP4 format. Supports exporting local and web IVS detection data in MP4 format.	
8	Optimized camera list related functions	Supports entering sub stream URL when selecting **Custom** as protocol during manually adding IPC. Supports searching remote devices by IP address, MAC address and device name. Supports entering IP address in IPV6 format when private protocol is selected.	
9	Optimized channel sequence function	Channel sequence function is optimized for easy to use.	
10	Optimized backup function	The backup progress on web automatically stops when web is closed. Supports displaying remaining time when backing up files.	
11	Optimized password resetting function	Removes forgetting password function on web, and you can only find back password on local interface.	
12	Security center	Supports scanning device security status. Optimizes and integrates security-related functions in one interface.	
13	SSH function	Supports SSH function.	
14	Detailed information for disk errors	Disk error details will be shown in the log.	
15	Secondary authentication function	You need to re-enter the password of admin account when formatting a HDD or restoring factory defaults.	
16	Optimized sub screen function	The sub screen can display alarm message when an alarm is triggered.	

1.4 Instructions for New Features

1.4.1 Video Playback

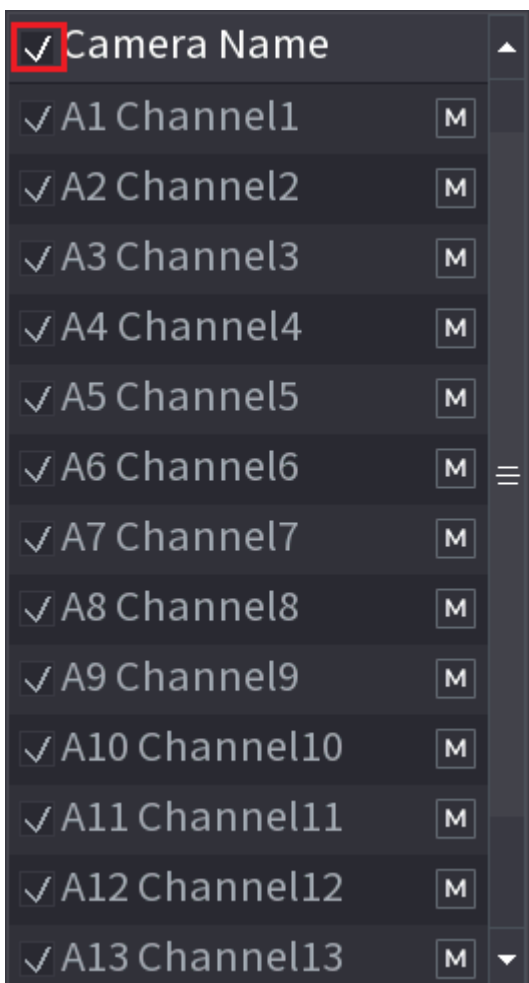i. **Selecting/canceling multiple or all channels**

Selecting multiple channels: Click and hold a channel (the background color of the selected channel shall change) in the channel list, and move mouse pointer down to the target channel, and then release mouse.

Selecting all channels: Select **Channel Name** to select all channels, and cancel **Channel Name** to cancel all channels in one step.
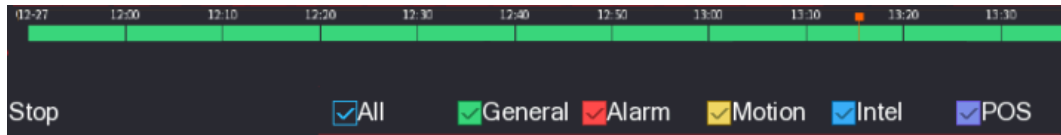
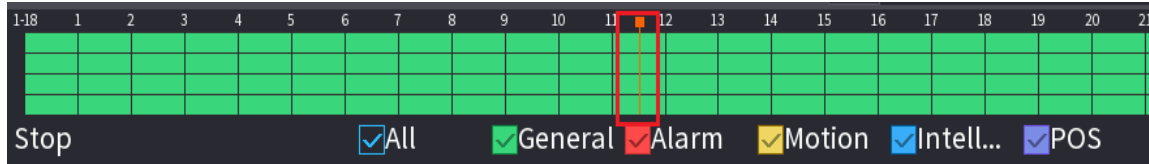You can select up to 16 channels by selecting **Channel Name**.

ii. Removes **Sync** check box in video playback interface. This release simultaneously plays recorded videos of

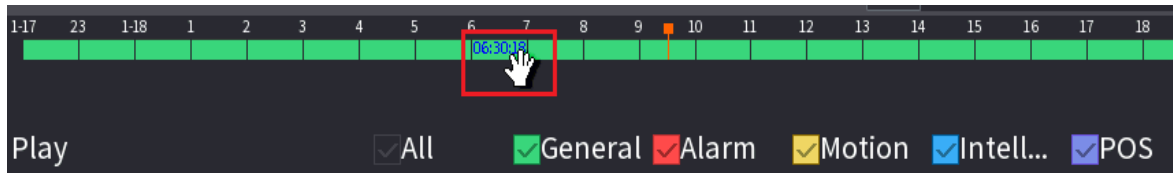different channels in the same period in multi-channel view.

iii. **Dragging vertical line on time bar (iframe)**: When playing back videos, you can drag the vertical orange line on the time bar to rapidly view the playback in iframe format.
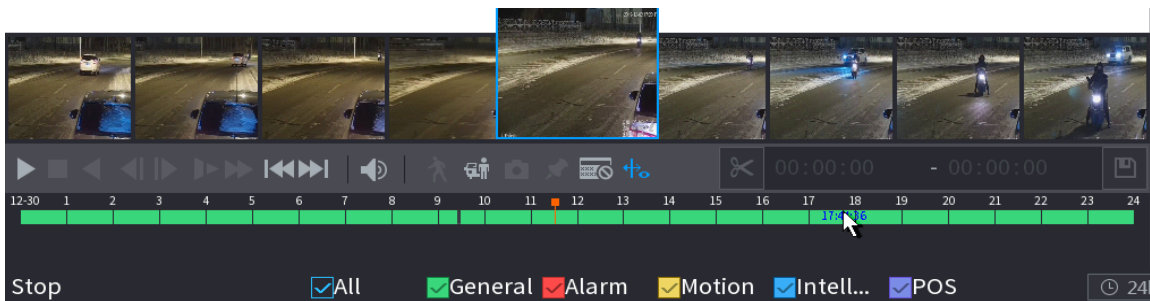

iv. **Dragging on time bar**: Click and hold the time bar, and the mouse pointer shall change to a hand icon, and then you can drag to view the playback of the target time.

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 bars changes synchronously when dragging.

v. **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.

1.4.2 Quick Operations on Main Menu

i. Shortcut icons for sub menus (except for **SEARCH** sub menu) and setting pages on local GUI to quickly jump to other modules: Enter a sub menu or setting page, this document uses **BACKUP** sub menu as an example. You can find shortcut icons upper in the interface. The icon of the current submenu or setting page displays in highlight and other icons in dim color. When you move mouse pointer to another icon, the icon will display in highlight, and then you can click the icon to enter the submenu or setting page.

The **SEARCH** sub menu does not support shortcut icons.

ii. **Switch icon to turn page**: Both local GUI and web support this function.
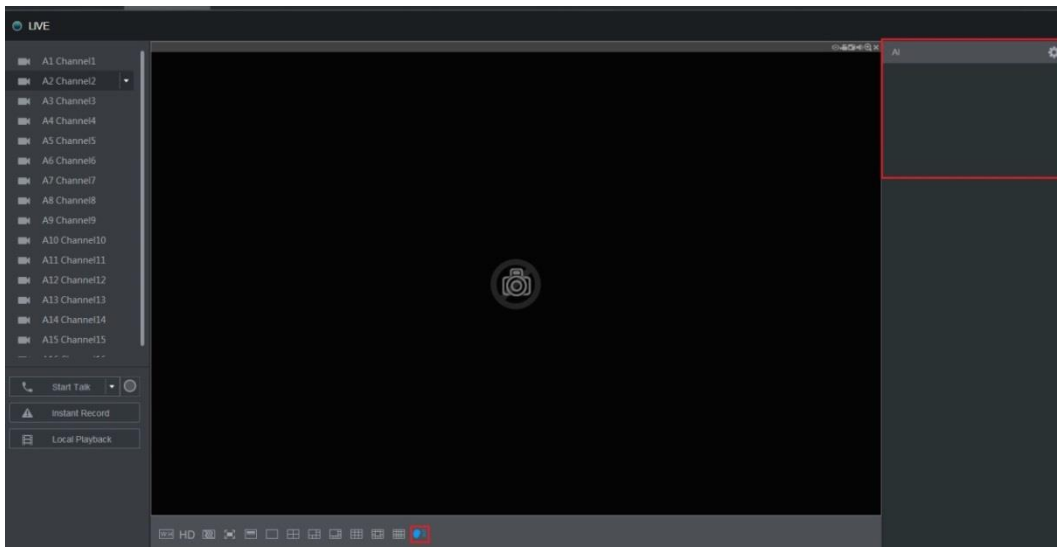

1.4.3 AI mode and Regular Mode on Web

Not all models support AI mode, and the actual product shall prevail.

i. Log in to the web and enter **Live** interface, and a new icon will be displayed as follows. You can click the icon to show or hide **AI** panel.
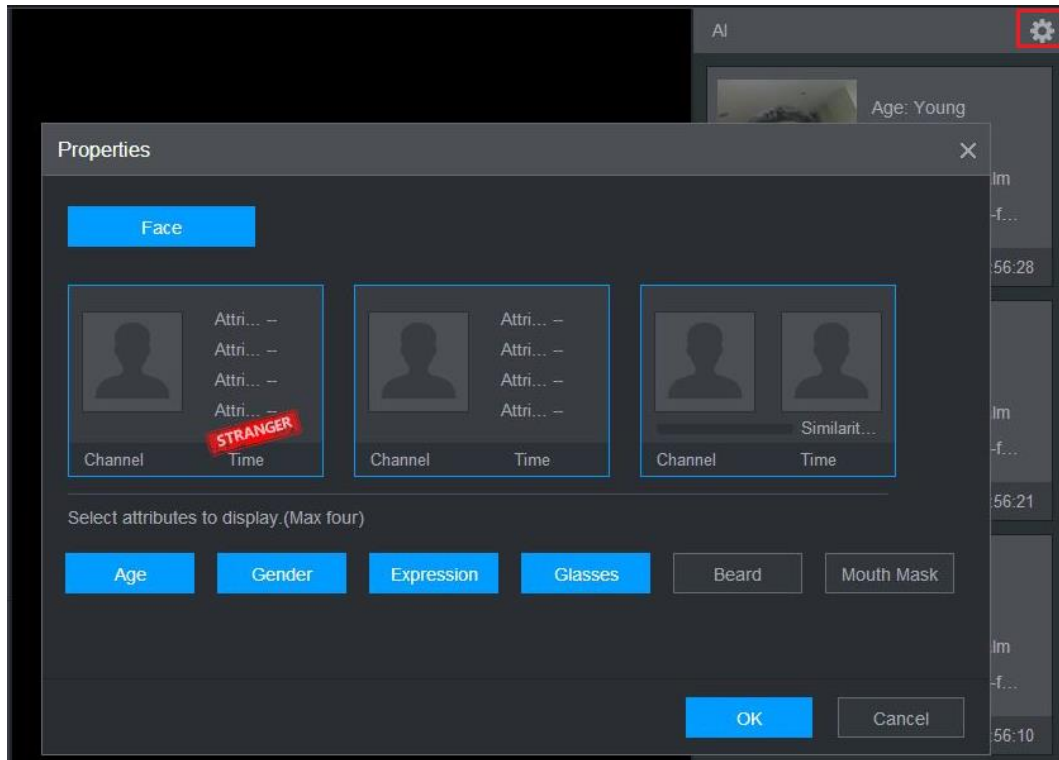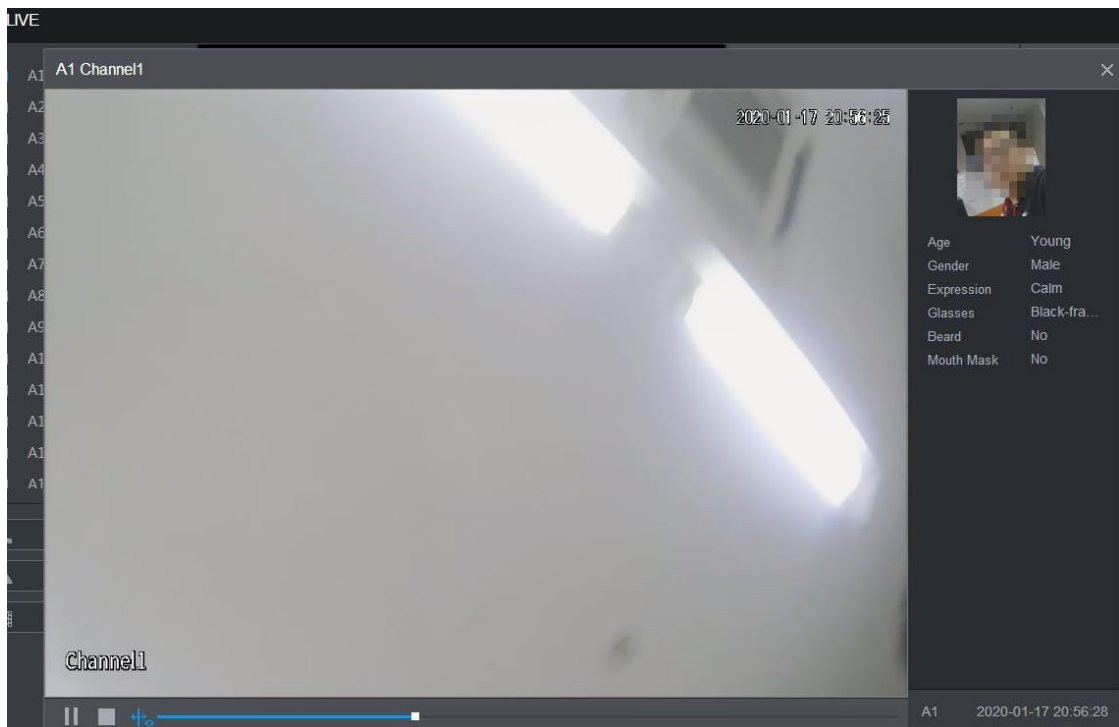

ii. Click the icon.

The **AI** panel is displayed on the right side of **LIVE** interface.

iii. Click the icon in the upper-right corner of the interface to show AI event properties. You can refer to the display effect of AI event properties on local GUI.
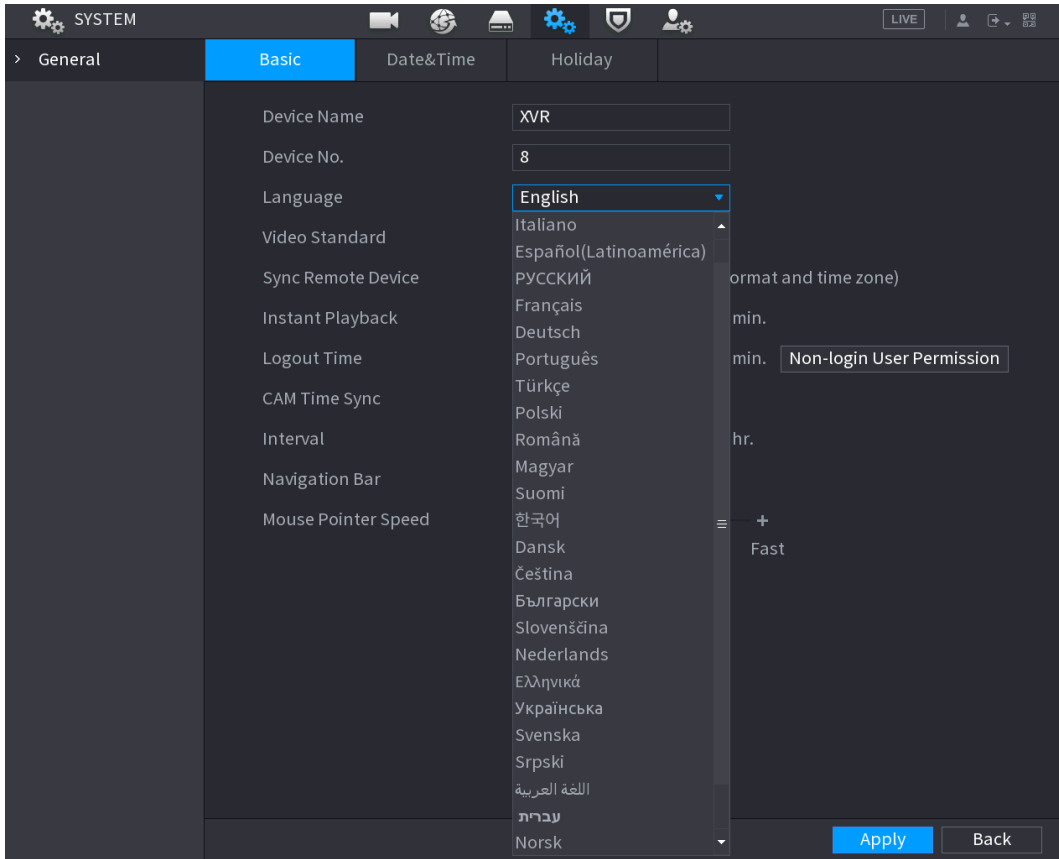
iv. **Playback for AI event in AI panel**: Double-click AI event in **AI** panel, and the playback interface will be displayed. You can click the play button to play back the AI event video.
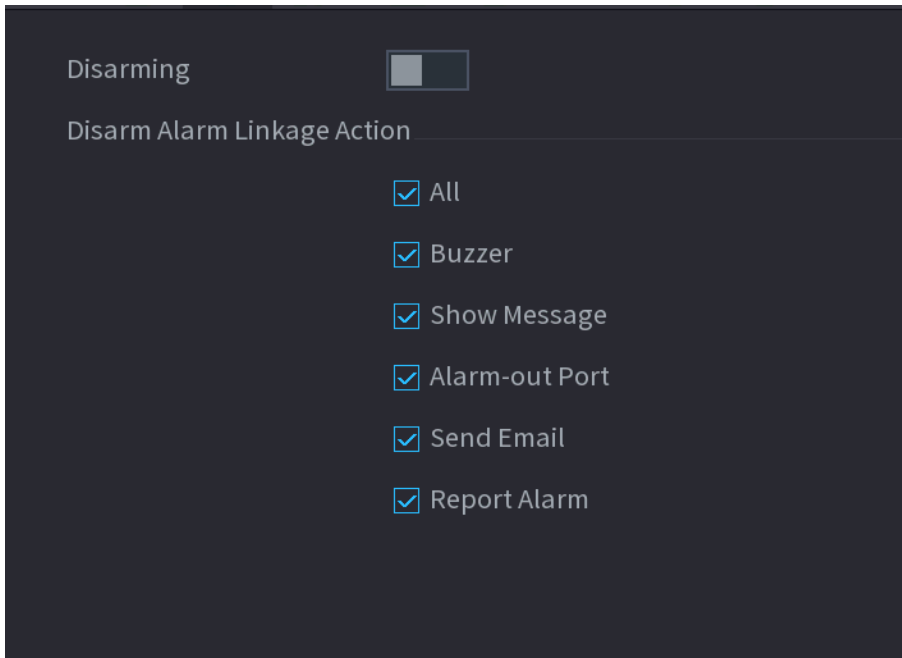

1.4.4 New languages supported: Hebrew, Turkish, Indonesian, Ukrainian

This release supports four new languages: Hebrew, Turkish, Indonesian, Ukrainian. You can set those languages in start-up wizard or in **SYSTEM** > **General** > **Basic**.
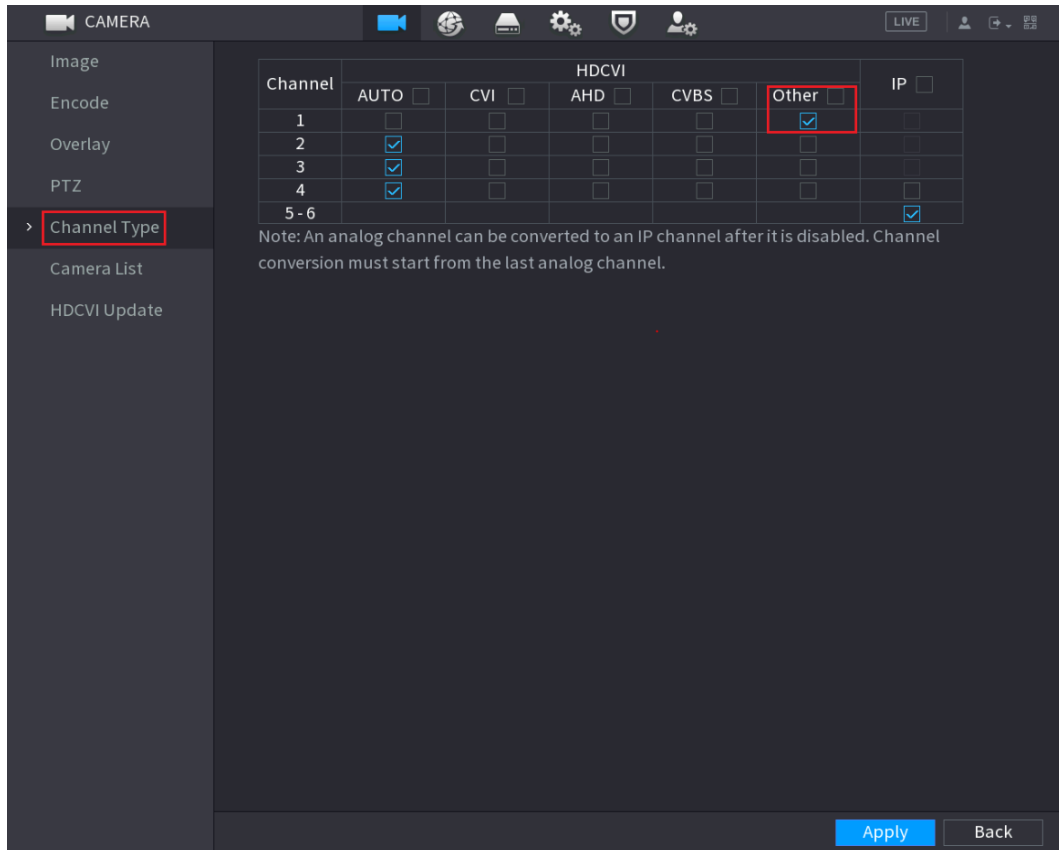
1.4.5 One-click Arming/Disarming

Support for one-click to arm or disarm alarm linkage actions in **ALARM** > **Disarming**.

1.4.6 HIK Vision 4K TVI Camera Access

Support for HIK Vision 4K TVI camera access, and the encode format is identical to 4K CVI.

1. When the current access camera is a TVI camera, select **Other** in **Channel Type** tab.

1.5 Fixed Bugs

N/A

1.6 Compatibility

Current version is V4.001.0000000.3.R

1.7 Software Environment

Platform	Model	Version
Baseline software	SmartPss	General_SMARTPSS-Win64_ChnEng_IS_V2.003.0000001.0.R.191028.zip
		General_SMARTPSS-Win32_ChnEng_IS_V2.003.0000001.0.R.191028.zip
	NETKB5000	General_NKB5000_MultiLang_SDA_V3.212.0000000.0.R.191105.BIN
	NETKB1000	General_NKB1000_ChnEng_V2.620.0000000.0.R.20180115.zip
	DSS	DSS-PRO
		General_DSS-PRO_Win64_IS_V7.002.0000003.0.R.20191008.exe
		DSS express
		General_DSS-Express_win32_IS_V1.000.0000003.1.R.20190817.exe
	NetSDK	General_NetSDK_Eng_Win64_IS_V3.051.0000005.1.R.190910.7z
		General_NetSDK_Eng_Win32_IS_V3.051.0000005.1.R.190910.7z
	ConfigTool	General_ConfigTool_ChnEng_V4.011.0000003.5.R.20190722.zip
Decoder		General_NVD0405DH-4K_Eng_P_V3.200.0002.1.R.20180116.zip

Platform	Model	Version
Player		General_SmartPlayer-Win32_Eng_IS_V4.000.0000001.4.R.191009.zip
Cell phone		iDMSS V4.91.002
		gDMSS V4.90.000

1.8 Pending Issues

N/A

1.9 Update Guide

- The update mode includes Configtool, web and USB device. Please refer to the update manual for detailed information.
- During the update process, some functions are not available, such as record and network live view. After update and reboot process, the device returns to normal work status.
- The previous device settings remain the same.
- During the update process, do not shut down the device or unplug the power cord. Otherwise, the device may become malfunction and cannot boot up.

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