

DH_XVR7x16-X_MultiLang_ V4.001.0000000.3.R.200228

Release Notes

ZHEJIANG DAHUA VISION TECHNOLOGY CO., LTD.

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1.1 Overview

Item	Description
Product name	DIGITAL VIDEO RECORDER
Version	V4.001.0000000.3
	DH-XVR5216AN-4KL-X-16P;DH-XVR5432L-X;DH-XVR5832S-X;DH-XVR7416L-4KL-
Draduct medal	X;DH-XVR7816S-4KL-X;DH-XVR5116H-4KL-X;DH-XVR5216AN-4KL-X;DH-XVR5232
Product model	AN-X;DH-XVR7108HE-4K-X;DH-XVR7116HE-4KL-X;DH-XVR7208A-4K-X;DH-XVR7
	216A-4KL-X;DH-XVR7816S-4KL-X-LP;
Software package	DLL XV/DZv16 X Multil and V/4 004 0000000 2 D 200228 -in
information	DH_XVR7x16-X_MultiLang_V4.001.0000000.3.R.200228.zip
OS requirement	None
Release date	2020-02-28

1.2 Basic Functions and Applications

This series of product is to work with the camera and HDD to monitor the specified position in the indoor environments. It can monitor, playback and support remote surveillance, once the device is connected to the network. It supports cellphone monitor from anywhere anytime with the Internet.

This series of product supports five camera signals (CVI, AHD, TVI, CVBS, and IPC) and can connect to the popular signal types on today's market. It can use the original coaxial cable and support network cable too. It is suitable to upgrade 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 stream, and higher 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:

No.	Feature	Description
	Optimized Video playback	Supports selecting/canceling multiple or all channels
		Supports dragging the vertical line on the time bar to rapidly view the
1		playback in iframe format.
		Supports dragging the time bar to view playback of the target time.
		Supports thumbnail pictures displaying.
		Added quick operation bar in sub menus and setting pages for easy
2	Quick Operation Bar	access to other modules.
		Added page turning function on the main menu interface.

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

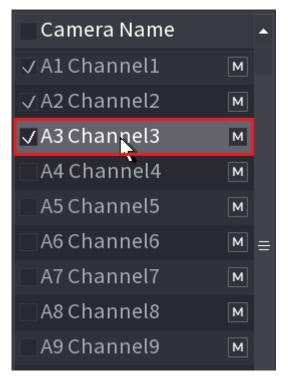
3	New languages	Hebrew, Turkish, Indonesian, Ukrainian.
4	One-click arming/disarming	Support for one-click to arm or disarm alarm linkage actions.
5	HIK Vision 4K TVI camera access	Support for HIK Vision 4K TVI camera access.
	Exporting video playback of	Supports exporting local and web SMD data in MP4 format.
6	smart detection in MP4	Supports exporting local and web face detection data in MP4 format.
	format	Supports exporting local and web IVS detection data in MP4 format.
		Supports entering sub stream URL when selecting Custom as
		protocol during manually adding IPC.
7	Optimized camera list related	Supports searching remote devices by IP address, MAC address
	functions	and device name.
		Supports entering IP address in IPV6 format when private protocol is
		selected.
8	Optimized channel sequence function	Channel sequence function is optimized for easy to use.
		The backup progress on web automatically stops when web is
9	Optimized backup function	closed.
		Supports displaying remaining time when backing up files.
10	Optimized password resetting	Removes forgetting password function on web, and you can only
10	function	find back password on local interface.
	O	Supports scanning device security status.
11	Security center	Optimizes and integrates security-related functions in one interface.
12	SSH function	Supports SSH function.
40	Detailed information for disk	Diele energide (eile enille energie de class
13	errors	Disk error details will be shown in the log.
	Secondary authentication	You need to re-enter the password of admin account when
14	function	formatting a HDD or restoring factory defaults.
15	Optimized sub screen	The sub screen can display alarm message when an alarm is
15	function	triggered.

1.4 Instructions for New Features

1.4.1 Video Playback

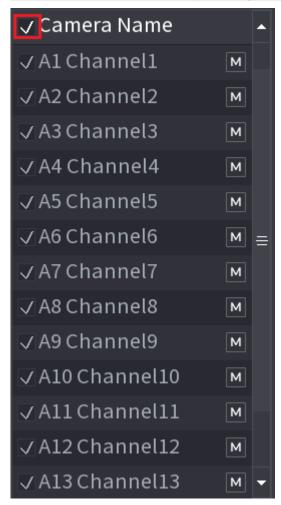
i. Selecting/canceling multiple or all channels

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.



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.

02-27	12:00	12:10	12:20	12:30	12:40	12:50	13:00	13:10	13:20	13:30
										•
Stop			∠A	di j	Genera	l <mark>V</mark> Alarr	m <mark>v</mark> Mo	otion 🛃	Intel	POS

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.

1-18	1	2	3	4	5	6	7 8	3 !	9 2	10	11		12	13	14	15 2	.6	17	18	19 2	20 2
											╀										
											1										
								_													
Ste	ор					V	M		Gei	nera		<u>_</u> F	Marn	n 占	<mark>и</mark> Мо	tion	 ✓ 	ntel		<mark>∠</mark> PO	S

- 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.

1-17	23	1-18	1	2	3	4	5	6 7	8	9	10	11	12	13	14	15	16	17	18
								06:30:18											
Pla	av.						All		Gene	ral	Ala	rm		latia	n	Z Inte	<u>ااد</u>	P	os
F lo	'y								Uene	iat 🛓						<u>_</u>			05

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.

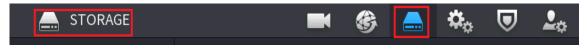
			Shere transfer	
	🕪 🔺 📢 👘 🛛			:00
12-30 1 2 3 4 5	6 7 8 9 10	11 12 13 14 15 10	6 17 18 19 20 21	22 23 24
Stop	🔽 All 🛛 🔽 Gener	al 🔽 Alarm 🛛 🔽 Motion	<mark>√</mark> Intell ✓POS	<u></u> 24

1.4.2 Quick Operations on Main Menu

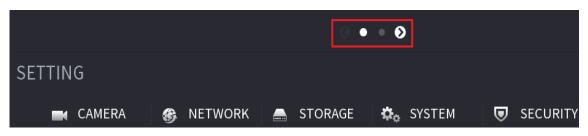
Shortcut icons for sub menus (except for SEARCH sub menu) and setting pages on local GUI to quickly jump to other modules: Enter a sub menu or setting page, this document uses BACKUP sub menu as an example. You can find shortcut icons upper in the interface. The icon of the current submenu or setting 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 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**.

🗱 SYSTEM	- 6	🚔 🎭 🛡 🚣 🛛 Live 🛓 🚱 🖓
> General	Basic Date&Time	Holiday
	Device Name	XVR
	Device No.	8
	Language	English 🔹
	Video Standard	Italiano Español(Latinoamérica)
	Sync Remote Device	РУССКИЙ ormat and time zone)
	Instant Playback	Français Deutsch min.
	Logout Time	Português min. Non-login User Permission
	CAM Time Sync	Türkçe Polski
	Interval	
	Navigation Bar	Magyar Suomi
	Mouse Pointer Speed	
		Dansk Fast
		Čeština
		Български
		Slovenščina
		Nederlands
		Еλληνικά Українська
		українська Svenska
		Srpski
		اللغة العربية
		עברית
		Norsk - Apply Back

1.4.4 One-click Arming/Disarming

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

Disarming Disarm Alarm Linkage Action All Buzzer Show Message Alarm-out Port Send Email Report Alarm
 All Buzzer Show Message Alarm-out Port Send Email
 ✓ Buzzer ✓ Show Message ✓ Alarm-out Port ✓ Send Email
∽ Show Message ✓ Alarm-out Port ✓ Send Email
☑ Alarm-out Port ☑ Send Email
└── Send Email
🔽 Report Alarm

1.4.5 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.

Image Encode Overlay PTZ Channel Type Camera List HDCVI Update Note: An analog channel can be converted to an IP channel after it is disabled. Channel conversion must start from the last analog channel.	CAMERA		🍪 🚔 🌣 🛡	L o	
Encode AUTO CVI AHD CVBS Other IP Overlay 1 2 2 2 Image: Comparison of the temperature of t	Image		HDCVI		
Overlay 2 Image: Camera List 2 </th <th>Encode</th> <td>Channel AUTO</td> <td></td> <td></td> <td></td>	Encode	Channel AUTO			
PTZ 4 Image: Channel Type Channel Type 5-6 Camera List Mote: An analog channel can be converted to an IP channel after it is disabled. Channel conversion must start from the last analog channel.					
PTZ 4 Image: Channel Type Channel Type 5-6 Camera List Image: Conversion must start from the last analog channel.		3			
Channel Type Note: An analog channel can be converted to an IP channel after it is disabled. Channel Camera List conversion must start from the last analog channel.	PTZ	4 🗸			
Camera List conversion must start from the last analog channel.	Channel Type		nel can be converted to an IF	P channel after it is disabled	
	Camera List				
	HDCVI Opdate				
Apply Back					Apply Back

1.5 Fixed Bugs

N/A

1.6 Compatibility

Current version is V4.001.0000000.3.R

1.7 Software Environment

Platform	Model	Version			
	SmartPss	General_SMARTPSS-Win64_ChnEng_IS_V2.003.0000001.0.R.19102			
		8.zip			
		General_SMARTPSS-Win32_ChnEng_IS_V2.003.0000001.0.R.19102			
		8.zip			
	NETKB5000	General_NKB5000_MultiLang_SDA_V3.212.0000000.0.R.191105.BIN			
Baseline	NETKB1000	General_NKB1000_ChnEng_V2.620.0000000.0.R.20180115.zip			
software	DSS	DSS-PRO			
SUILWAIE		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			
Player		General_SmartPlayer-Win32_Eng_IS_V4.000.0000001.4.R.191009.zip			
		iDMSS V4.91.002			
Cell phone		gDMSS V4.90.000			

1.8 Pending Issues

N/A

1.9 Upgrade Guide

- The upgrade mode includes configtool, web and USB device. Please refer to the upgrade manual for detailed information.
- During the upgrade process, some functions are null, such as record and network preview. After upgrade and reboot process, the device becomes OK.
- The previous device settings remain the same.
- During the upgrade 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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