



DH_XVR5x16-4KL_EngSpnFrn_NP_V3.218.0000002.2.R.180208

Release Note

Zhejiang Dahua Vision Technology Co.,Ltd

Important Safeguards and Warnings

Before Start

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Update and revision

- This user's manual for reference only. Slight difference may be found in the user interface.
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Release Note

1 Version Basic Info

Product Name	DH3.RD000710 Hisilicon Platform Software Baseline Project
Version No.	V3.218.0000002.2.R
Software Package Info	DH_XVR5x16-4KL_EngSpnFrm_NP_V3.218.0000002.2.R.180208.zip
Model	DHI-XVR5216AN-4KL-16P
OS	N/A
Release Date	2018-02-09

2 Product Basic Functions and Applications

Comparing to previous applications V3.218.0000001.1.R.170901, this baseline mainly fixes the bugs, and perfects some original functions and adds some new functions. Upgrade the DVR device to enjoy the new features and have better user experience.

3 Newly Added or Enhanced Functions

Comparing to the previous application, it adds the following functions:

Function Name	Function Description
Fix bugs	1. Fixed bugs feedback from the market since the release of the previous version.
Optimize USB backup device speed	1. USB2.0 backup device speed has increased by 50%, USB2.0 speed can reach 6MB/s. 2. USB3.0 backup device speed has increased by 50%, USB3.0, portable HDD speed can reach 10MB/s, 26MB/s respectively.
Optimize Smart 264 encode efficiency.	After optimization, for the Smart 264 encode mode, it can get the same video effect by less bit rate.
Optimize reference bit rate	For different resolutions, frame rate optimizes default bit rate and reference range.

Optimize pre-set password strategy when adding network camera	<ol style="list-style-type: none"> 1. With the promotion of the company baseline applications, the new released network camera applications and DVR applications shall support initialization function and do not support admin default password. Previous DVR applications adopt admin password to add network camera by default, it may result in failure. After optimize pre-set password strategy, it can fast and easily to add network camera. 2. New pre-set password strategy can automatically check the network camera support initialization or has been initialized at all, and then automatically fill in the corresponding password to add. For the network camera does not support initialization function, DVR still uses admin password to add. For the initialized network camera, it uses corresponding password of DVR admin user to add.
The cloud upgrade 2 nd plan	<ol style="list-style-type: none"> 1. Fix the bugs of the cloud upgrade 1st plan, local and WEB interface add small red dot to remind user there is any upgrade applications or not. 2. In the cloud upgrade 1st plan, DVR can use the network to push upgrade applications. It is easy for the user to upgrade DVR applications. In the cloud upgrade 2nd plan, it can use the DVR as the agent to push connected network camera applications. It is suitable for the user to upgrade network camera applications.
Disable password reset function	<ol style="list-style-type: none"> 1. In the previous version, DVR supports password reset function. It is suitable for the user to reset password via the reserved e-mail in case the user forgot password. 2. The password reset function is optional. It gives user security rights to enable/disable password reset function according to the actual requirements. Please note: Once the password reset function is disabled, user can only use the security questions on the menu to reset the password (Please check the security questions has been enabled.) For the device of the reset button on the mainboard, user can use the reset button to restore factory default settings.
Set camera resolution on the properties interface	<ol style="list-style-type: none"> 1. The previous camera properties interface can adjust camera video parameters without entering camera OSD menu. 2. In the new version, the user can switch camera output format, resolution without entering camera OSD menu. It is suitable for some cameras of high resolution; DVR can use the camera properties interface to set low resolution. Please note: This function is for CVI camera only since the camera properties needs the camera to support coaxial interaction. Now the CVI 4MP camera can support 4MP/6MP/8MP.
Coaxial digital audio transmission	<ol style="list-style-type: none"> 1. Add coaxial digital audio transmission. It is corresponding to the CVI camera (Fighter platform camera). It can get the best audio effect via the coaxial cable (no less than the local audio). Please note: The coaxial new audio shall work with the

	<p>corresponding CVI camera. If connect to the old CVI camera model, it is still the previous coaxial audio effect.</p> <p>2. The coaxial new audio adopts digital signal to transmit the coaxial audio signal. It does not use the tedious processes such as sound wave->analog->digital->analog->digital->analog wave and remove the interference risk from the coaxial cables. It is surely anti-interference and has low noise.</p>
Compatible with new camera platform Fighter /Support CVI camera 6MP resolution	<p>1. Compatible with new camera platform Fighter.</p> <p>2. Support CVI camera 6MP resolution (2880*1920).</p>
4M-N encode resolution	<p>Tesla 5 series products supports all-channel 4M@15fps encode. Now it supports 4M-N (1280*1440) encode resolution to support all-channel 4M@30fps preview and 4M-N@30fps real-time encode. It is suitable for users of high encode realtime features.</p>

4 About Fixed Bugs

Fixed bug	Details
Camera recognition error	<p>1. In the previous applications, in the channel auto mode, DVR cannot properly recognize CVI panorama 3-lens camera. There is video error. Select CVI mode, the recognition is OK.</p> <p>2. In the previous applications, TVI 1.0 camera recognition may be wrong in high illumination environment.</p> <p>3. Current baseline applications fix the above bugs.</p>
Audio error	<p>1. In the previous applications, switch audio source from local to the coaxial, there is a short period time of noise.</p> <p>2. In the previous applications, switch channel 1 audio format from non-AAC to AAC, there is a short period repeated noise.</p> <p>3. XVR-S2 24/32-channel product, channel 17 has no coaxial audio.</p> <p>4. Current baseline applications fix the above bugs.</p>
Alarm upload channel number error	<p>1. In the previous applications, when CVI alarm triggered corresponding functions, the all alarm upload channel numbers are 0.</p> <p>2. Current baseline applications fix the above bug.</p>
Encoding frame loss in some special environments	<p>1. In the previous applications, when connect all-channel to TVI 300w@30fps camera, the encode frames may lose after enable video matrix.</p> <p>2. Current baseline applications fix the above bug.</p>

5 Compatible Software Version Info

The revised baseline V3.218.0000002.1.R is compatible with previous baseline V3.218.0000001.1.R.170901 and vice versa. It can upgrade from V3.218.0000001.1.R.170901 to V3.218.0000002.1.R or from V3.218.0000002.1.R to V3.218.0000001.1.R.170901.

6 Baseline Corresponding Software Info

1. Baseline corresponding software

SmartPss: General_SmartPSS_ChnEng_Win32_IS_V2.02.0.R.171124.zip

NKB5000: DH_NKB5000_Chn_V3.210.0003.0.R.170930.BIN

NKB1000: General_NETKB1000_Chn_V2.610.0000.4.R.20161024.zip

DSS7016: General_DSS70XXS2_Chn_Basic_Mysql_V3.10.001.R.20171110.tar

NetSDK: General_NetSDK_Eng_Win32_IS_V3.48.2.R.170712.7z

ConfigTool: General_ConfigTool_ChnEng_V4.09.0.R.20171010.zip

2. Decoder:

General_NVD0405DH-4K_Chn_P_V3.200.0002.00.R.20170713.zip

3. Player:

General_Player_Eng_WIN32_V3.44.0.R.170421.zip

4. Cell phone

Android:

General_DMSS-Android-Phone-Plus-Device_Internal_Basic_IS_V3.51.001.R.171113.apk

General_DMSS-Android-Phone-Lite-Device_Internal_Basic_IS_V3.51.001.R.171113.apk

iPhone:

General_DMSS-IOS-Phone-Lite-Device_Internal_Basic_IS_V3.51.002.R.171121.ipa

General_DMSS-IOS-Phone-Plus-Device_Internal_Basic_IS_V3.51.002. R.171121.ipa

7 Pending Bugs

SN	Bug	Description	How to fix
1	On the local menu, use the displayer to playback the record file of the audio (including instant playback, record playback, the event playback from the log interface), click pause button and then start play again, the audio stops for almost 1 second.	The slightly pause status does not lose any audio data. It slightly affects user experience. The whole risk is under control and there is plan when release. It is going to be fixed in the previous version.	During the pause period, drag the process bar or playback again to play.
2	Smartpss cannot get the intelligent	It is rare to use DVR work	Use local or

	network camera, intelligent PTZ camera smart rules connected to the DVR.	with the network camera, intelligent PTZ camera via the Smartpss. The risk is under control. There is plan when release. It is going to be fixed in the previous version.	WEB interface to view.
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8 Upgrade

1. The upgrade mode includes configtool, web, USB device. Please refer to the upgrade manual for detailed information.
2. During the upgrade process, the functions such as record, network preview is null. After upgrade and reboot process, the device becomes OK.
3. The previous device settings remain the same.
4. 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.