NVR5XXX-4KS2_V4.000.0000000.0

Release Notes

ZHEJIANG DAHUA VISION TECHNOLOGY CO., LTD.

Legal Information

Copyright

© 2019 ZHEJIANG DAHUA VISION TECHNOLOGY CO., LTD. All rights reserved.

This document cannot be copied, transferred, distributed, or saved in any form without the prior written permission of Zhejiang Dahua Vision Technology Co., LTD (hereinafter referred to be "Dahua").

The products described in this document may contain the software that belongs to Dahua or the third party. Without the prior written approval of the corresponding party, any person cannot (including but not limited to) copy, distribute, amend, abstract, reverse compile, decode, reverse engineer, rent, transfer, sublicense the software.

Trademarks

, , , and HDCVI are the trademarks or registered trademarks of Dahua.

All other company names and trademarks mentioned herein are the properties of their respective owners.

Disclaimer

- 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.

Table of Contents

Legal Information I
Release Notes 1
1.1 Overview 1
1.2 New Features 1
1.3 Fixed Bugs 4
1.4 Compatibility 4
1.5 Software Environment 4
1.6 Pending Issues 9
1.7 Update Guide 9

1.1 Overview

Item	Description
Product model	NVR5XXX-4KS2 Series
Version	V4.000.0000000.0
Software package information	DH_NVR5XXX-4KS2_MulitLang_V4.000.0000000.0.R.20190713.zip
Onvif Version	2.4.1
OS requirement	None
Release date	2019/7/22

1.2 New Features

Function name	Functional Description
NVR4.0 new UI	① It is to realize NVR interface based on the 4.0 interface style. The same functions are basically the same, and the market requires to retain the existing functions of the NVR. ② Adjust the main menu. AI setting and AI search are put together with a separate AI menu items, other events are in the alarm item, and the main and auxiliary screens are set to the right-click menu. ③ Supports vector font. ④ Web interface style is consistent with the local menu.
Network Security Baseline V2.0	① Supports system firmware encryption. ② The device supports 802.1x access authentication. ③ TFTP upgrade: The trusted upgrade and secure boot via Uboot. ④ Supports network security requirements such as firewall.
Support web no plugin	① Version requirements: For chrome version number lower than 42, Firefox version lower than 52, there is a plug-in. For the browser higher than the above versions, there is no plug-in. ② Supported contents are mainly based on video.

Onvif optimization	① Supports onvif18.06 tool. ② Supports profile G.
International requirements	① Adds **Shut down** button before initialization. ② Adds the country, language, and format settings. ③ Supports synchronizing audio, format, and time zone to the front-end device when connecting to it.
Automatic H265	① Automatic setting front-end adopts H265. encoding when registering remote device to the NVR.
Email optimization	① Adds IPC channel name in the body contents of the alarm email. ② Standardizes intelligent event email format.
Auto registration	① The whole series supports the auto registration function suitable to connect to all platforms. ② Auto registration via domain name.
Alarm Center Dual IP	① Supports server of dual-IP. ② Supports to upload alarm information to 2 server addresses at the same time.
Hard disk health plan	① Supports hard disk health detection. ② Supports manual detection refresh. ③ Supports to display detection details report. ④ Supports alarm prompt for detected errors. Right now it supports hard disk temperature too high, linkage abnormality, imminent error, vibration, etc.
Raid optimization	① On RAID interface, cut disk array enclosure item. (it was never supported before) ② Raid creation and deletion process are in the background. ③ Adds the working mode of the raid hard disk.
Hard disk estimation	① Adds hard disk estimation function. ② Supports the hard disk storage capacity estimation based on the resolution stream of the current access channel.
Hard disk migration	① Hard disk migration formatting strategy, adding "unformatted" status.
FTP experience optimization	① Supports FTP storage pictures based on channels.
Hard disk light	① When the hard disk is abnormal, the indicator light is on. When it is normal, the indicator light is off. ② The HDD abnormal event does not affect hard disk light.
Thermal Imaging	① Supports thermal temperature measurement.

	② Supports thermal imaging to trigger sound and light alarm. ③ Support thermal imaging dual-sensor device and synchronization storage.
POS	① Adds an independent POS item in main menu. ② Supports POS configuration and POS search.
Intelligent Speed Dome	① Unified Intelligent IPC and smart speed dome protocol. ② Supports smart speed dome IVS. ③ Supports smart speed dome people counting. ④ Supports smart speed dome heat map. ⑤ Supports smart speed dome metadata.
AI by camera image matting	① Once the connected channel has no matting image, the NVR can realize image matting based on the coordination. ② Supports image matting in preview mode. ③ For smart types such as perimeter protection and license plates, supports image matting in preview mode. ④ Right now, does not support image matting storage. ⑤ Supports detected plate image matting during playback.
The 2nd panoramic+ PTZ camera	① Adds people distribution display. ② Right now, does not support people distribution display during playback. ③ Enable/disable crowd density display via Web function is for the 2nd panoramic+ PTZ camera only.
AI Fisheye	① Supports queue management. ② For abnormal queue number and the queue stay time, these two events adopt the same linkage configuration.
AI Linkage snapshot	① For AI event, there is picture storage function instead of snapshot. ② For AI events, the back-end analytics realizes the image matting and the large image and matting image will be sent with the event when the client subscribes. ③ Cannot configure to trigger other channels.
National information code	① ITC reports a 3-digit code table. The NVR currently only maintains a 2-bit table. The NVR needs to maintain 2-bit and 3-digit codes.
Binocular passenger flow statistics	① Fixed bug: Supports regional people counting. ② Support configuration and report search.

Password resetting	① Adjust reserved mailbox item: From the admin user configuration interface to Reset Password page of the security center. ② At the same time, security question and reserved mailbox item are merged onto the Reset Password interface.
recover password	① Adjust the QR code of the device's local GUI, and the QR marks as local GUI. ② For the storage device, user can only scan the local QR code to reset password. Delete scanning QR code on Web to reset password. Do not support reset password via configtool. Supports reset password via DMSS. . ③ Log: password reset operation log type is security management.
MAC address binding	① Supports setting the MAC address for newly added users, and only allows access to users through specific MAC devices.

1.3 Fixed Bugs

Fixed bugs	Description
The fixed bugs are includes in the chapter 1.2 New Features	

1.4 Compatibility

After update to latest new baseline version 4.0, user cannot update back to version lower than version 4.0

1.5 Software Environment

Model	Version
DH-IPC-HFW81230E-Z-IRA	2.6.01.05.06362 DH_IPC-HX8XXX-Nova_Chn_PN_Stream3_V2.640.0000004.0.R.190118.zip
DH-IPC-HF8331FP-S2	2.6.01.05.06365 DH_IPC-HX8XXX-Nova_MultiLang_PN_Stream3_V2.640.0000004.0.R.190118.zip
DH-IPC-HF81239F	2.6.01.05.06889 DH_IPC-HX8XXX-Wei-Nova2_Chn_PN_Stream3_V2.622.0000000.6.R.190130.zip

Model	Version
DH-IPC-HFW5233F-ZSA-27135	2.6.01.05.05914 DH_IPC-HX4XXX-Eos_Chn_PN_Stream3_V2.680.0000000.41.R.181212.zip
DH-IPC-HFW8239K-Z-I4-3512	2.6.01.05.05912 DH_IPC-HX8XXX-Eos_Chn_PN_Stream3_V2.680.0000000.41.R.181212.zip
DH-IPC-HFW8438K-Z-I4-27135	2.6.01.05.03379 DH_IPC-HX5X3X-Rhea_Chn_PN_Stream3_V2.622.0000000.30.R.180905.zip
DH-IPC-HFW4443M-AS-PV-I2-0360B	2.6.01.05.08342 DH_IPC-HX5XXX-Volt_Chn_PN_Stream3_V2.680.0000000.5.R.190404.zip
DH-IPC-HFW4833F-ZAS-3512	2.6.01.05.08213 DH_IPC-HX5(4)XXX-Sag_Chn_PN_Stream3_V2.800.0000000.2.R.190404.zip
DH-IPC-HFW4433K-AS-I4-0360B	2.6.01.05.05914 DH_IPC-HX4XXX-Eos_Chn_PN_Stream3_V2.680.0000000.41.R.181212.zip
DH-IPC-HDBW5233E-Z-X1-27135-DC12AC24V	2.6.01.05.07673 DH_IPC-HX5X3X-Rhea_Chn_PN_Stream3_V2.800.0000005.0.R.190325.zip
DH-IPC-HFW4631K-AS-I4-0360B	2.6.01.05.07673 DH_IPC-HX5X3X-Rhea_Chn_PN_Stream3_V2.800.0000005.0.R.190325.zip
DH-IPC-HFW5433E-Z-IRA-X1-0560-DC12AC24V	2.6.01.05.07673 DH_IPC-HX5X3X-Rhea_Chn_PN_Stream3_V2.800.0000005.0.R.190325.zip
DH-IPC-HFW5631E-Z-0735-AC24V	2.6.01.05.07673 DH_IPC-HX5X3X-Rhea_Chn_PN_Stream3_V2.800.0000005.0.R.190325.zip
DH-IPC-HDBW5431EP-ZE-27135	2.6.01.05.07655DH_IPC-HX5X3X-Rhea_MultiLang_PN_Stream3_V2.800.0000005.0.R.190325.zip
DH-IPC-HDBW5831EP-ZE-0735	2.6.01.05.07655 DH_IPC-HX5X3X-Rhea_MultiLang_PN_Stream3_V2.800.0000005.0.R.190325.zip
DH-IPC-HUM8231P-E2	2.6.01.05.02685 DH_IPC-HX5X3X-Multi-Rhea_Eng_P_V2.622.0000000.31.R.180813.zip
DH-IPC-HUM7233-E1	2.6.01.05.07673 DH_IPC-HX5X3X-Rhea_Chn_PN_Stream3_V2.800.0000005.0.R.190325.zip
DH-IPC-HFW8249E-ZFR-IRA-LED-0832	2.6.01.05.07146 DH_IPC-HX8X4X-Warpway_Chn_PN_Stream3_V2.680.0000000.1.R.190223.zip

Model	Version
DH-IPC-HF8841F-FD	2.6.01.05.07146 DH_IPC-HX8X4X-Warpway_Chn_PN_Stream3_V2.680.0000000.1.R.190223.zip
DH-IPC-HFW8841E-ZFR-IRA-LED-67134	2.6.01.05.07146 DH_IPC-HX8X4X-Warpway_Chn_PN_Stream3_V2.680.0000000.1.R.190223.zip
DH-IPC-HFW8249E-ZFDI-IRA-LED-0832	2.6.01.05.07160 DH_IPC-HX8X4X-Warpway2_Chn_PN_Stream3_V2.680.0000000.1.R.190223.zip
DH-IPC-HDW7341X-E2-0280B	2.6.01.05.05281 DH_IPC-HX8X4X-Kronos_Chn_PN_Stream3_V2.622.0000000.5.R.181215.zip
DH-IPC-HFW7243K-ZPC-I4-0735	DH_IPC-HX8X4X-Warpway2_Chn_PN_Stream3_V2.622.0000000.9.R.181119.zip
DH-IPC-HD4140X-E2-0210B	2.6.01.05.08217 DH_IPC-HX7XXX-Sag_Chn_PN_Stream3_V2.800.0000000.2.R.190404.zip
DH-IPC-HDW8341XP-3D-0280B	2.6.01.05.05284 DH_IPC-HX8X4X-Kronos_Eng_P_Stream3_V2.622.0000000.5.R.181215.zip
DH-IPC-HDW7341X-B-E2-0280B	2.6.01.05.02992 DH_IPC-HX8X4X-Kronos_Chn_PN_Stream3_V2.622.0000000.4.R.180816.zip
DH-IPC-HFW8449K-ZRL-LED-3512	DH_IPC-HX8XXX-Volt_Chn_PN_Stream3_V2.680.0000000.5.R.190404.zip
DH-IPC-HFW5541EP-ZE-27135	DH_IPC-HX5XXX-Volt_MultiLang_PN_Stream3_V2.680.0000000.5.R.190404.zip
DH-IPC-HFW5241EP-ZE-27135	DH_IPC-HX5XXX-Volt_MultiLang_PN_Stream3_V2.680.0000000.5.R.190404.zip
DH-IPC-HFW5541EP-ZE-27135	DH_IPC-HX5XXX-Volt_MultiLang_PN_Stream3_V2.680.0000000.5.R.190404.zip
DH-IPC-HF8242FP-FR	2.6.01.05.07153 DH_IPC-HX8X4X-Warpway_EngSpnFrn_PN_Stream3_V2.680.0000000.1.R.190223.zip
DH-IPC-HF8242FP-FD	2.6.01.05.07153 DH_IPC-HX8X4X-Warpway_EngSpnFrn_PN_Stream3_V2.680.0000000.1.R.190223.zip
DH-IPC-HF8241FP	2.6.01.05.07170 DH_IPC-HX8X4X-Warpway2_EngSpnFrn_PN_Stream3_V2.680.0000000.1.R.190223.zip
DH-IPC-PDBW5831P-B360-E4-2712	2.6.01.05.06704 DH_IPC-HX8(5)XXX-Sag_EngSpnFrn_PN_V2.622.0000000.21.R.190125.zip

Model	Version
DH-IPC-PDB4830P-B360-E4-0360B	2.6.01.05.07064 DH_IPC-HX8(5)XXX-Sag_EngSpnFrn_PN_V2.622.0000000.22.R.190225.zip
DH-PSDW5631SP-B360-E4-D204-DC12V	2.6.01.05.06035 DH_IPC-HX8(5)XXX-Sag_EngSpnFrn_PN_V2.622.0000000.20.R.190110.zip
DH-IPC-PFW8809-H-A180-E4-AC24V	DH_IPC-PFW8XXX-Nova_Chn_PN_Stream3_V2.622.0000000.3.R.181201.zip
DH-PSDW81649-H-A360-E9	DH_IPC-PSD8XXX-Fafnir_Chn_PN_Stream3_V2.622.0000000.1.R.181205.zip
DH-PSD81602P-H-A360-E9	DH_IPC-PSD8XXX-Nova_Eng_P_Stream3_V2.460.0000.4.R.20170927.zip
DH-IPC-PFW8802P-H-A180-E4-AC24V	DH_IPC-PFW8XXX-Nova_Eng_P_Stream3_V2.622.0000000.3.R.181201.zip
DH-IPC-HDBW4231FP-E2-M-0360B	2.6.01.05.02685 DH_IPC-HX5X3X-Multi-Rhea_Eng_P_V2.622.0000000.31.R.180813.zip
DH-IPC-EW5431-ASW	2.1.02.01.17602 DH_IPC-HX5X3X-Rhea_Chn_PN_Stream3_V2.460.0000000.16.R.20170919.zip
DH-IPC-EB5531	2.6.01.05.07655DH_IPC-HX5X3X-Rhea_MultiLang_PN_Stream3_V2.800.0000005.0.R.190325.zip
DH-IPC-EBW81230	2.6.01.05.06903 DH_IPC-HX8XXX-Nova2_Chn_PN_Stream3_V2.622.0000000.6.R.190130.zip
DH-IPC-EBW8630P	2.6.01.05.06908 DH_IPC-HX8XXX-Nova2_EngSpnFrn_PN_Stream3_V2.622.0000000.6.R.190130.zip
DH-IPC-EBW81230P	2.6.01.05.06908 DH_IPC-HX8XXX-Nova2_EngSpnFrn_PN_Stream3_V2.622.0000000.6.R.190130.zip
ITC237-PU1B-IR	2.6.01.08.01701 General_ITC237-PU1B(PW1B)-IR(IRZ)(L)_Eng_PN_Oversea_Europe_V2.622.0000000.1.R.181114.zip
ITC237-PW1B-IRZ	2.6.01.08.01701 General_ITC237-PU1B(PW1B)-IR(IRZ)(L)_Eng_PN_Oversea_Europe_V2.622.0000000.1.R.181114.zip
ITC215-PW4I	General_ITC215-PW4I-XXX_Eng_PN_Oversea_ITCPUSH_EuropeENTRANCE_V2.623.0000000.0.R.180930.zip
ITC952-RF2D	General_ITCXX2-RF2D-IR_Eng_PN_Oversea_3G_V2.622.0000000.7.R.190321.zip
ITC352-RF2D	General_ITCXX2-RF2D-IR_Eng_PN_Oversea_3G_V2.622.0000000.7.R.190321.zip

Model	Version
ITC302-RF2D	General_ITCXX2-RF1D(RF2D)_Chn_P_V2.722.0000000.0.R.190409.zip
ITC902-RF2D	General_ITCXX2-RF1D(RF2D)_Chn_P_V2.722.0000000.0.R.190409.zip
ITC235-RF1D	General_ITC235-RF1D_Chn_P_V2.622.0000000.0.R.180424.zip
ITC235-RF2E	General_ITC235-RF1E(RF2E)_Chn_P_Stream3_V2.620.0000000.0.R.180705.zip
ITC835-RF1D	General_ITC835-RF1D_Chn_PN_V2.622.0000000.0.R.180818.zip
ITC302-SF2D-QD	General_ITC302-SF2D-QD_Chn_P_V2.622.0000000.0.R.180611.zip
ITC902-SF2D-QA	General_ITC902-SF2D-QA_Chn_P_V2.622.0000000.0.R.180425.zip
ITC902-SF2D-QB	General_ITC902-SF2D-QB_Chn_P_V2.401.0000000.1.R.180509.zip
ITC215-PW5H-F3	General_ITC215-PW5H-F(R)_Chn_PN_GAYSITCPUSH_Mainland_V2.622.0000000.2.R.180929.zip
ITC215-PW5H	General_ITC215-PW5H-F(R)_Chn_PN_GAYSITCPUSH_Mainland_V2.622.0000000.2.R.180929.zip
ITC314-PH2A	General_ITCXX4-PH1B(PH1C)(PH2A)-(TF2)_Chn_PN_GAYS_Mainland_V2.622.0000000.1.R.180418.zip
DH-TPC-BF8x21	General_TPC-BF8X21_V2.200.0000000.5.R.190327.zip
DH-SD-8A1840WA-HNF	2.6.01.05.07347 DH_SD-Fafnir_Chn_PN_Stream3_V2.623.0000000.13.R.190227.zip
SD6CE230U-HNI	2.6.01.05.06726 DH_SD-Eos_MultiLang_PN_Stream3_V2.623.0000000.17.R.190119.zip
DH-SD-1A1203UE-GN-PD	2.1.01.04.10167 DH_SD-Eos-Civil_Chn_PN_Stream3_V2.622.0000000.13.R.180328.zip
DH-SD29204UE-GN-W	2.6.01.05.06270 DH_SD-Eos-Civil_MultiLang_PN_Stream3_V2.623.0000000.17.R.190119.zip
DH-SD6C82F-HNP(ZJ)-A	2.6.01.05.08251 DH_SD-Eos_Chn_PN_Stream3-ZhouJie_V2.623.0000000.17.R.190119.zip
DH-SD-6C3440XA-HNR	2.6.01.05.06793 DH_SD-Prometheus_Chn_PN_Stream3_V2.623.0000000.5.R.190220.zip
DH-SDT-5A404WA-C4F	2.6.01.05.07333 DH_SD-Fafnir_Chn_PN_Stream3-Lingtong_V2.623.0000000.13.R.190227.zip

Model	Version
DH-SDT-8A1840WA-T8Z4	2.6.01.05.08301 DH_SD-Fafnir_Chn_PN_Stream3-Tianshu_V2.800.0000000.1.R.190402.zip
DH-VTO9341D-S	2.6.01.18.01051 General_VTO9341D-S_Chn_P_SIP_V1.000.0000000.5.R.20181010.zip
DH-VTT201	2.6.01.18.00886 General_VTT201_Chn_P_16M_SIP_V1.001.0000000.2.R.20180817.zip
DHI-DSS7016D-S2	General_OverseasDSS7016S2_Eng_Basic_V1.000.0000000.0.R.20181130.tar.gz
DSS7016D-S2-I	During development.
DSSC9100/C9505	During development.
IBSP-PRO	2.7.01.07.00243 General_iBSP_Chn_Oracle_IS_V4.000.0000001.0.R.20190122.tar.gz
H8900	2.7.01.08.00410 General_DSS-H8900_Chn_Basic_V3.001.0000001.7.R.20190131.tar.gz
NKB1000	General_NETKB1000_Chn_V2.610.0000.4.R.20161024.zip
NKB5000	DH_NKB5000_Chn_V3.210.0003.0.R.170930.BIN
NVD0405DH-4K	General_NVD0405DH-4K_Chn_P_V3.200.0002.00.R.20170713.zip
NVD0905DH-4I-4K	General_NVD0905DH-4K_Chn_V3.200.0003.0.R.170509.BIN
SmartPSS	DH_SmartPSS_ChnEng_Win32_IS_V2.02.0.R.171124.zip
DMSS	2.1.02.01.10709 General_DMSS-IOS-Phone-Lite-Device_Internel_Basic_IS_V3.24.000.R.140928.ipa
Player	General_Player_Chn_WIN32_V3.44.0.R.170421.zip
ConfigTool	General_ConfigTool_ChnEng_V4.011.0000001.4.R.20190305.zip
NetSDK	General_NetSDK_Chn_Win64_IS_V3.050.0000005.3.R.190225.7z
DiskManager	

1.6 Pending Issues

No.	Issue description	Possible result	How to fix
1	N/A		

1.7 Update Guide

N/A

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