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| NVR4XXX-4KS2\_V4.000.0000001.1 |
| Release Notes |
| **ZHEJIANG DAHUA VISION TECHNOLOGY CO., LTD.** |

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# Release Notes

## Overview

| Item | Description |
| --- | --- |
| Product model | NVR4XXX-4KS2 Series |
| Version | V4.000.0000001.1, |
| Software package information | DH\_NVR4XXX-4KS2\_MulitLang\_V4.000.0000001.1.R.20190830.zip  |
| Onvif Version | 2.4.1 |
| OS requirement | None |
| Release date | 9/6/2019 |

## New Features

|  |  |
| --- | --- |
| Feature | Description |
| **SMD function** | 1. Support configuring SMD functions on IP cameras, such as enable switch, sensitivity and effective target.
2. Support SMD alarm event, reusing MD alarm configuration.
3. Support filtered query and playback for human and vehicle.
4. Support displaying SMD rectangle on human and vehicle in live view.
5. Support displaying SMD rectangle on human and vehicle in playback.
 |
| **Web browse optimization** | 1. On the basis of single NIC and PoE channel jump, dual NIC network segment crossing jump is added for the web.
2. For safety concerns, an enable switch is added for virtual machine. The switch is enabled by default, and the jump to the web will fail if it is disabled.
 |

## Fixed Bugs

The fixed bugs are included in the chapter 1.2 New Features.

## Instructions for New Features

### SMD Function

MD (motion detection) has a problem of false alarms, the change of brightness, shaking of leaves or the device, or a rain will trigger a motion detection alarm. Based on the MD function, SMD (Small Motion Detection) is aimed to improve the practical value of motion detection by intelligently analyzing and distinguishing human and vehicle in videos. Alarm event will be triggered only when human or vehicle is detected.

1. **SMD Configuration**: Includes enable switch, sensitivity and effective target.



1. **SMD alarm configuration**
* SMD reuses alarm configuration of MD.
* When SMD is enabled, MD will be enabled synchronously and its alarm configuration will be applied to SMD.
* When MD is disabled, SMD will be disabled synchronously.
* When SMD is disabled, MD continues working.



1. **SMD rectangle displayed on human and vehicle**

You can enable **SMD Preview** on **Display** interface to display SDM rectangle on human and vehicle.



SMD rectangles are displayed as follows, flashing in every 2 seconds.



1. **Filtered query and playback for human and vehicle**
* Query files are displayed in the color of blue.
* Enable switch reuses the switch of smart rules.
* Video playback by filtered result.



1. **SMD search on AI interface**

You can search for SDM event on the **AI** interface by time, channel, human and vehicle.



1. **SMD playback on AI interface**

You can directly play videos in **Playback** column from start time to end time by filtered results.



Cilck , and then a player will be prompted to play video.



### Web Browse

You can visit the web of a remote device to finish configuration through the WEB Browse function of NVR, instead of visiting the remote device separately.



Click , and then you can visit the web of a remote device to complete normal operations.



## Compatibility

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

## Software Environment

| Model | Version |
| --- | --- |
| DH-IPC-HFW81230E-Z-IRA, | 2.6.01.05.06362DH\_IPC-HX8XXX-Nova\_Chn\_PN\_Stream3\_V2.640.0000004.0.R.190118.zip |
| DH-IPC-HF8331FP-S2, | 2.6.01.05.06365DH\_IPC-HX8XXX-Nova\_MultiLang\_PN\_Stream3\_V2.640.0000004.0.R.190118.zip |
| DH-IPC-HF81239F, | 2.6.01.05.06889DH\_IPC-HX8XXX-Wei-Nova2\_Chn\_PN\_Stream3\_V2.622.0000000.6.R.190130.zip |
| DH-IPC-HFW5233F-ZSA-27135, | 2.6.01.05.05914DH\_IPC-HX4XXX-Eos\_Chn\_PN\_Stream3\_V2.680.0000000.41.R.181212.zip |
| DH-IPC-HFW8239K-Z-I4-3512, |  2.6.01.05.05912DH\_IPC-HX8XXX-Eos\_Chn\_PN\_Stream3\_V2.680.0000000.41.R.181212.zip |
| DH-IPC-HFW8438K-Z-I4-27135, | 2.6.01.05.03379DH\_IPC-HX5X3X-Rhea\_Chn\_PN\_Stream3\_V2.622.0000000.30.R.180905.zip |
| DH-IPC-HFW4443M-AS-PV-I2-0360B, |  2.6.01.05.08342DH\_IPC-HX5XXX-Volt\_Chn\_PN\_Stream3\_V2.680.0000000.5.R.190404.zip |
| DH-IPC-HFW4833F-ZAS-3512, | 2.6.01.05.08213DH\_IPC-HX5(4)XXX-Sag\_Chn\_PN\_Stream3\_V2.800.0000000.2.R.190404.zip |
| DH-IPC-HFW4433K-AS-I4-0360B, |  2.6.01.05.05914DH\_IPC-HX4XXX-Eos\_Chn\_PN\_Stream3\_V2.680.0000000.41.R.181212.zip |
| DH-IPC-HDBW5233E-Z-X1-27135-DC12AC24V, |  2.6.01.05.07673DH\_IPC-HX5X3X-Rhea\_Chn\_PN\_Stream3\_V2.800.0000005.0.R.190325.zip |
| DH-IPC-HFW4631K-AS-I4-0360B, | 2.6.01.05.07673DH\_IPC-HX5X3X-Rhea\_Chn\_PN\_Stream3\_V2.800.0000005.0.R.190325.zip |
| DH-IPC-HFW5433E-Z-IRA-X1-0560-DC12AC24V, | 2.6.01.05.07673DH\_IPC-HX5X3X-Rhea\_Chn\_PN\_Stream3\_V2.800.0000005.0.R.190325.zip |
| DH-IPC-HFW5631E-Z-0735-AC24V, | 2.6.01.05.07673DH\_IPC-HX5X3X-Rhea\_Chn\_PN\_Stream3\_V2.800.0000005.0.R.190325.zip |
| DH-IPC-HDBW5431EP-ZE-27135, | 2.6.01.05.07655 DH\_IPC-HX5X3X-Rhea\_MultiLang\_PN\_Stream3\_V2.800.0000005.0.R.190325.zip |
| DH-IPC-HDBW5831EP-ZE-0735, | 2.6.01.05.07655DH\_IPC-HX5X3X-Rhea\_MultiLang\_PN\_Stream3\_V2.800.0000005.0.R.190325.zip |
| DH-IPC-HUM8231P-E2, | 2.6.01.05.02685DH\_IPC-HX5X3X-Multi-Rhea\_Eng\_P\_V2.622.0000000.31.R.180813.zip |
| DH-IPC-HUM7233-E1, | 2.6.01.05.07673DH\_IPC-HX5X3X-Rhea\_Chn\_PN\_Stream3\_V2.800.0000005.0.R.190325.zip |
| DH-IPC-HFW8249E-ZFR-IRA-LED-0832, | 2.6.01.05.07146DH\_IPC-HX8X4X-Warpway\_Chn\_PN\_Stream3\_V2.680.0000000.1.R.190223.zip |
| DH-IPC-HF8841F-FD, | 2.6.01.05.07146DH\_IPC-HX8X4X-Warpway\_Chn\_PN\_Stream3\_V2.680.0000000.1.R.190223.zip |
| DH-IPC-HFW8841E-ZFR-IRA-LED-67134, | 2.6.01.05.07146DH\_IPC-HX8X4X-Warpway\_Chn\_PN\_Stream3\_V2.680.0000000.1.R.190223.zip |
| DH-IPC-HFW8249E-ZFDI-IRA-LED-0832, |  2.6.01.05.07160DH\_IPC-HX8X4X-Warpway2\_Chn\_PN\_Stream3\_V2.680.0000000.1.R.190223.zip |
| DH-IPC-HDW7341X-E2-0280B, | 2.6.01.05.05281DH\_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, |  2.6.01.05.08217DH\_IPC-HX7XXX-Sag\_Chn\_PN\_Stream3\_V2.800.0000000.2.R.190404.zip |
| DH-IPC-HDW8341XP-3D-0280B, | 2.6.01.05.05284DH\_IPC-HX8X4X-Kronos\_Eng\_P\_Stream3\_V2.622.0000000.5.R.181215.zip |
| DH-IPC-HDW7341X-B-E2-0280B, | 2.6.01.05.02992DH\_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, | 2.6.01.05.07153DH\_IPC-HX8X4X-Warpway\_EngSpnFrn\_PN\_Stream3\_V2.680.0000000.1.R.190223.zip |
| DH-IPC-HF8242FP-FD,  | 2.6.01.05.07153DH\_IPC-HX8X4X-Warpway\_EngSpnFrn\_PN\_Stream3\_V2.680.0000000.1.R.190223.zip |
| DH-IPC-HF8241FP, | 2.6.01.05.07170DH\_IPC-HX8X4X-Warpway2\_EngSpnFrn\_PN\_Stream3\_V2.680.0000000.1.R.190223.zip |
| DH-IPC-PDBW5831P-B360-E4-2712, | 2.6.01.05.06704DH\_IPC-HX8(5)XXX-Sag\_EngSpnFrn\_PN\_V2.622.0000000.21.R.190125.zip |
| DH-IPC-PDB4830P-B360-E4-0360B, | 2.6.01.05.07064DH\_IPC-HX8(5)XXX-Sag\_EngSpnFrn\_PN\_V2.622.0000000.22.R.190225.zip |
| DH-PSDW5631SP-B360-E4-D204-DC12V, | 2.6.01.05.06035DH\_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, | 2.6.01.05.02685DH\_IPC-HX5X3X-Multi-Rhea\_Eng\_P\_V2.622.0000000.31.R.180813.zip |
| DH-IPC-EW5431-ASW, | 2.1.02.01.17602DH\_IPC-HX5X3X-Rhea\_Chn\_PN\_Stream3\_V2.460.0000000.16.R.20170919.zip |
| DH-IPC-EB5531, | 2.6.01.05.07655 DH\_IPC-HX5X3X-Rhea\_MultiLang\_PN\_Stream3\_V2.800.0000005.0.R.190325.zip |
| DH-IPC-EBW81230, | 2.6.01.05.06903DH\_IPC-HX8XXX-Nova2\_Chn\_PN\_Stream3\_V2.622.0000000.6.R.190130.zip |
| DH-IPC-EBW8630P, | 2.6.01.05.06908DH\_IPC-HX8XXX-Nova2\_EngSpnFrn\_PN\_Stream3\_V2.622.0000000.6.R.190130.zip |
| DH-IPC-EBW81230P, | 2.6.01.05.06908DH\_IPC-HX8XXX-Nova2\_EngSpnFrn\_PN\_Stream3\_V2.622.0000000.6.R.190130.zip |
| ITC237-PU1B-IR, | 2.6.01.08.01701General\_ITC237-PU1B(PW1B)-IR(IRZ)(L)\_Eng\_PN\_Oversea\_Europe\_V2.622.0000000.1.R.181114.zip |
| ITC237-PW1B-IRZ, | 2.6.01.08.01701General\_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 |
| 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, | 2.1.01.04.10167DH\_SD-Eos-Civil\_Chn\_PN\_Stream3\_V2.622.0000000.13.R.180328.zip |
| DH-SD29204UE-GN-W, | 2.6.01.05.06270DH\_SD-Eos-Civil\_MultiLang\_PN\_Stream3\_V2.623.0000000.17.R.190119.zip |
| DH-SD6C82F-HNP(ZJ)-A | 2.6.01.05.08251DH\_SD-Eos\_Chn\_PN\_Stream3-ZhouJie\_V2.623.0000000.17.R.190119.zip |
| DH-SD-6C3440XA-HNR, | 2.6.01.05.06793DH\_SD-Prometheus\_Chn\_PN\_Stream3\_V2.623.0000000.5.R.190220.zip  |
| DH-SDT-5A404WA-C4F, | 2.6.01.05.07333DH\_SD-Fafnir\_Chn\_PN\_Stream3-Lingtong\_V2.623.0000000.13.R.190227.zip |
| 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, | 2.6.01.18.00886General\_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  | 2.7.01.07.00243General\_iBSP\_Chn\_Oracle\_IS\_V4.000.0000001.0.R.20190122.tar.gz |
| H8900, | 2.7.01.08.00410General\_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 | 2.1.02.01.10709General\_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 |  |

## Pending Issues

None.

## Update Guide

None.

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