



Volt V2.820.0000000.5.R.210705

Release Notes



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Release Notes

1.1 Overview

| Item | Description |
|------------------------------|---|
| Product model | Volt platform series |
| Version | V2.820.0000000.5.R.210705 |
| Software package information | DH_IPC-HX5XXX-Volt_MultiLang_PN_Stream3_V2.820.0000000.5.R.210705.zip DH_IPC-HX5XXX-Volt_MultiLang_NP_Stream3_V2.820.0000000.5.R.210705.zip DH_IPC-HX5XXX-Volt_MultiLang_NP_Stream3-USA_V2.820.0000000.5.R.210705.zip DH_IPC-HUM7XXX-E2-Volt_MultiLang_PN_V2.820.0000000.5.R.210705.zip DH_IPC-HUM7XXX-E2-Volt_MultiLang_NP_V2.820.0000000.5.R.210705.zip |
| OS requirement | None |
| Release date | 2021/07/08 |

1.2 New Features

This version only strengthens product security on the basis of the last version, and does not update the functions.

1.3 Fixed Bugs

None

1.4 Instructions for New Feature

1.4.1 Algorithm Optimization for Big-animal False Alarm Based on SMD Function

Through the optimization of the algorithm detection model, the SMD function is optimized for the released products, and the detection optimization is mainly for the large animal (such as cattle, horse, and sheep). The main optimization points are as follows:

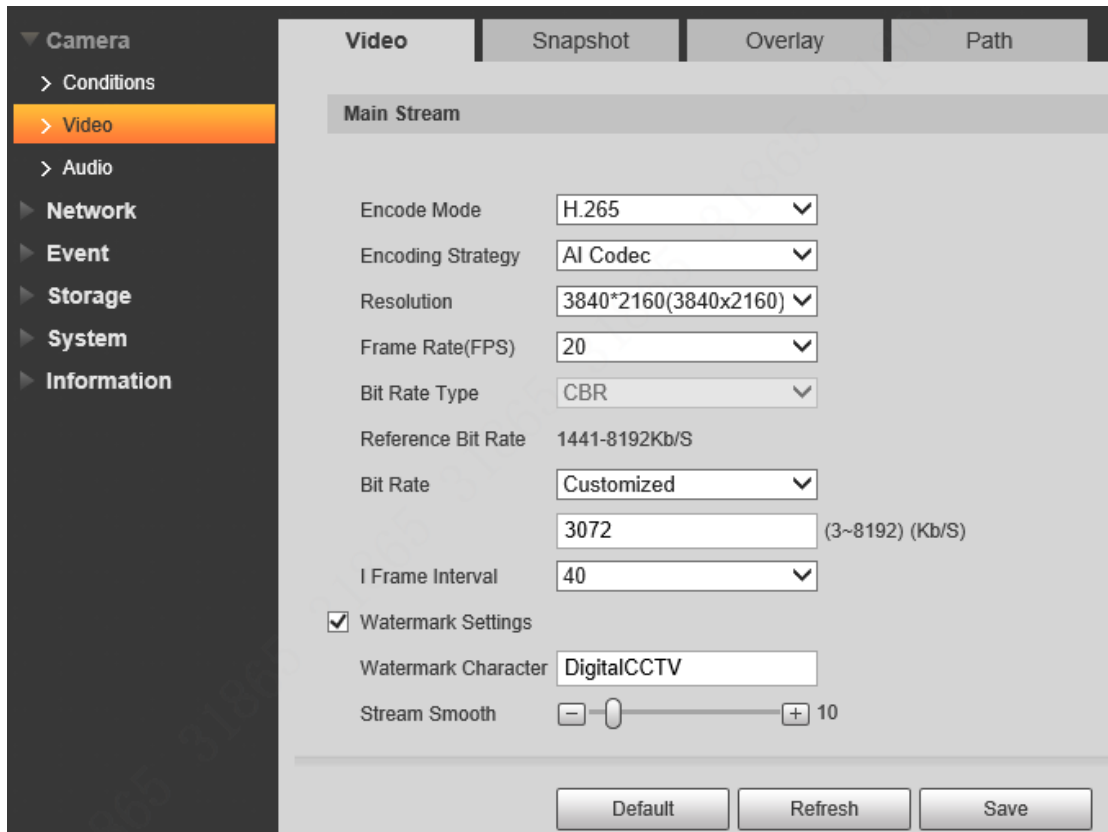
The current SMD function only detects people and vehicles. Version 2.0 optimizes the false alarm of small animals, such as cats and dogs in the family. Version 3.0 optimizes the algorithm for large outdoor animals and trains massive animal data. If an animal trips the rule line, SMD will filter out the alarm triggered by animals and only keep the alarm triggered by people and vehicles.

The following false alarm will be filtered out:



1.4.2 AI Codc

- AI codec mode is added to the main stream interface. You can select the encoding strategy as **General**, **Smart Codec**, and **AI Codec**.
- When selecting **AI Codec**, the bit rate type automatically switches to **CBR**, and the bit rate decreases by 25% compared to General mode.
- When selecting **AI Codec**, you can select frame rate as 1x or 2x under **I frame interval** list. It is 2x by default.
- The AI Codec mode is only added for devices with AI functions.



1.5 Compatibility

1.5.1 Program

It is compatible with the previous release.

1.5.2 Browser

IE9\IE10\IE11\Firefox (Use Firefox under V66)\Google75

1.5.3 Third Party Access

- CGI testing tool version: V3.01.5
- ONVIF testing tool version: V20.06
- ONVIF: Supports ProfileG, ProfileT, ProfileS
- MILESTONE testing tool version: 2019R3milestone
- GENETEC testing tool version: Security Desk 5.7SR4

1.6 Software Environment

| Platform | Model | Version |
|----------|----------------------|--|
| NVR | DHI-NVR2104-4KS2 | DH_NVR2XXX-W-4KS2_MultiLang_V4.001.0000003.1.R.200813.zip |
| | DHI-NVR4416-16P-4KS2 | DH_NVR4XXX-4KS2_MultiLang_V4.001.0000003.1.R.200813.zip |
| | DHI-NVR4432-I | DH_NVR4XXX-I_MultiLang_V4.001.0000000.2.R.200814.zip |
| | DHI-NVR5432-4KS2 | DH_NVR5XXX-4KS2_MultiLang_V4.001.0000003.1.R.200813.zip |
| | DHI-NVR5216-16P-I | DH_NVR5XXX-I_MultiLang_V4.001.0000000.2.R.200814.zip |
| Client | SmartPSS | DH_SMARTPSS-Win64_ChnEng_IS_V2.003.0000002.1.R.200602.Bugix.zip |
| | DMSS | ios:4.91.002 android 4.91.000 |
| Tool | Player | General_SmartPlayer-Win32_Eng_IS_V4.000.0000001.4.R.191009.zip |
| | ConfigTool | General_ConfigTool_ChnEng_V4.011.0000003.7.R.20200325.zip |
| | PlaySDK | General_PlaySDK_Eng_Windows32_IS_V3.043.0000000.2.R.200522.zip |
| | NetSDK | General_NetSDK_Eng_Linux32_IS_V3.052.0000001.1.R.200514.tar.gz |
| DSS | DSS PRO | General_DSS-PRO_Win64_IS_V7.002.0000005.1.R.20200703.exe General_DSS-Express_win32_IS_V1.000.0000003.1.R.20190817.exe |

1.7 Pending Issues

| No. | Issue description | Possible result | How to fix |
|-----|--|---|--|
| 1 | After enabling UPnP, the device might restart due to thread timeout. | The probability of occurrence is low, and it will restore to normal after the issue occurs. | You are recommended to directly map ports on router instead of enabling UPnP function. |

1.8 Update Guide

None.

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