Volt V2.840.0000000.11.R.211105

Release Notes

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Release Notes

1.1 Overview

Item	Description
Product model	Volt platform series
Version	V2.840.0000000.11.R.211105
Software package information	DH_IPC-HX5XXX-EMMC2-Volt_MultiLang_PN_Stream3_V2.840.0000000.11.R.211105.zip
	DH_IPC-HX5XXX-EMMC2-Volt_MultiLang_NP_Stream3_V2.840.0000000.11.R.211105.zip
	DH_IPC-HUM7XXX-E2-Volt_MultiLang_PN_V2.840.0000000.11.R.211105.zip
	DH_IPC-HUM7XXX-E2-Volt_MultiLang_NP_V2.840.0000000.11.R.211105.zip
	DH_IPC-HX5XXX-Volt_MultiLang_PN_Stream3_MCF_V2.840.0000000.11.R.211105.zip
	DH_IPC-HX5XXX-Volt_MultiLang_NP_Stream3_MCF_V2.840.0000000.11.R.211105.zip
	DH_IPC-HX5XXX-Volt_MultiLang_NP_Stream3-USA_MCF_V2.840.0000000.11.R.211105.zip
	DH_IPC-HX5XXX-Volt_MultiLang_PN_Stream3_V2.840.0000000.11.R.211105.zip
	DH_IPC-HX5XXX-Volt_MultiLang_NP_Stream3_V2.840.0000000.11.R.211105.zip
	DH_IPC-HX5XXX-Volt_MultiLang_NP_Stream3-USA_V2.840.0000000.11.R.211105.zip
	DH_IPC-HX5XXX-Volt_MultiLang_PN_Stream3_E2_V2.840.0000000.11.R.211105.zip
	DH_IPC-HX5XXX-Volt_MultiLang_NP_Stream3_E2_V2.840.0000000.11.R.211105.zip
OS requirement	None
Release date	December 17, 2021

1.2 New Features

None.

1.3 Fixed Bugs

Fixed Bug	Description
1	During the Milestone certification test, automatic network replenishment failed.

Fixed Bug	Description
2	The sound problem of HDW3XH model: A click sound is produced after an audio is played.

1.4 New Features

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.
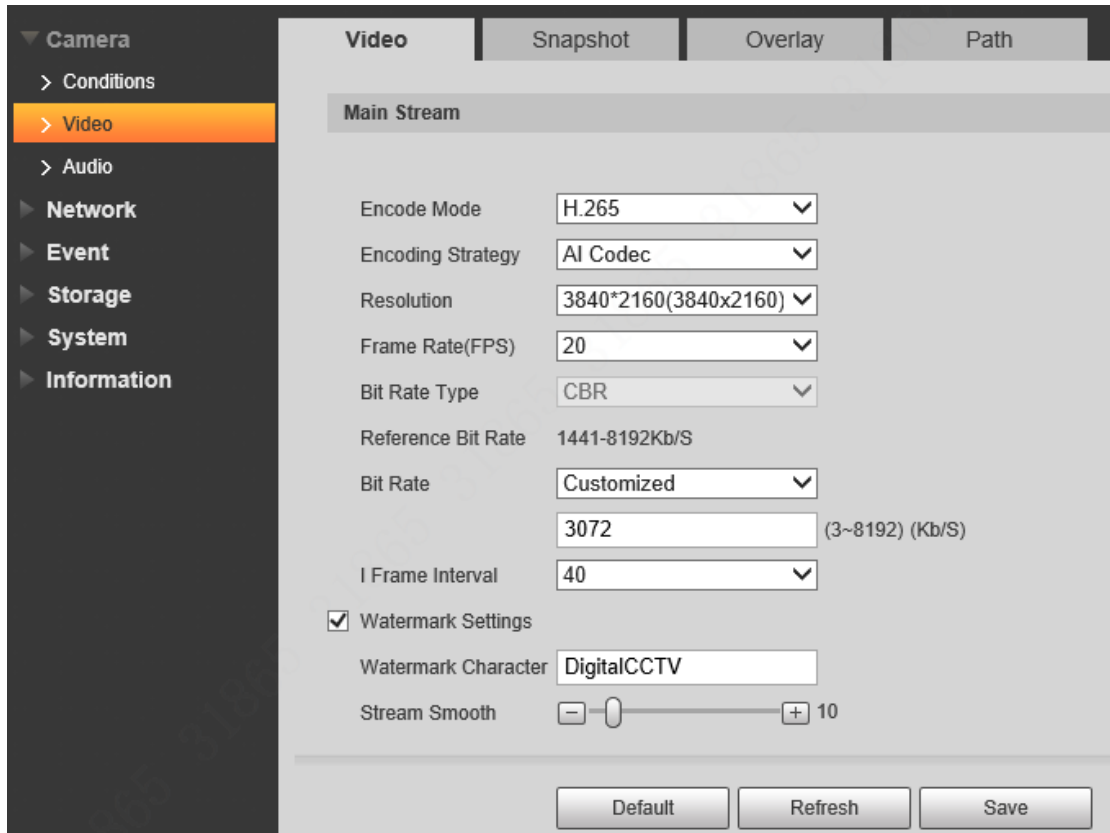
The following false alarm will be filtered out:

1.4.2 AI Codec

- 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

IE11\Firefox\Google

1.5.3 Third Party Access

- CGI testing tool version: V2.91.1.1
- ONVIF testing tool version: V20.12
- ONVIF: Supports ProfileG, ProfileT, ProfileS

1.6 Software Environment

Platform	Model	Version
NVR	NVR5X-4KS2	DH_NVR5XXX-4KS2_MultiLang_V4.001.0000006.0.R.210208.zip
	NVR2X-I2	DH_NVR2XXX-I2_Mul_V4.001.0000000.0.R.210208.zip
	NVR4X-4KS2	DH_NVR4XXX-4KS2_MultiLang_V4.001.0000005.1.R.201126.zip
	NVR4X-I	DH_NVR4XXX-I_MultiLang_V4.001.0000000.3.R.201022.zip
Client	DMSS	ios: V1.92.000 android: V1.91.000
Tool	Player	General_SmartPlayer-Win32_Eng_IS_V4.001.0000001.0.R.200916.zip
	ConfigTool	General_ConfigTool_ChnEng_V5.000.0000001.7.R.20210227.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_V8.000.0000001.0.R.20201215.exe

1.7 Pending Issues

None

1.8 Update Guide

None.

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