



Volt V2.820.0000000.4.R.210527

Release Notes



Legal Information

Copyright

© 2020 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 as "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

The image shows three variations of the Dahua logo: a stylized lowercase "dahua" with a red and black color scheme, a stylized lowercase "dahua" with a red and black color scheme, and a stylized lowercase "dahua" with a red and black color scheme and the word "TECHNOLOGY" below it. , 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.....	1
1.4 Instructions for New Feature	1
1.4.1 Algorithm Optimization for Big-animal False Alarm Based on SMD Function	1
1.4.2 AI Codc	2
1.5 Compatibility.....	3
1.5.1 Program	3
1.5.2 Browser.....	3
1.5.3 Third Party Access.....	3
1.6 Software Environment	4
1.7 Pending Issues.....	4
1.8 Update Guide	4

Release Notes

1.1 Overview

Item	Description
Product model	Volt platform series
Version	V2.820.0000000.4.R.210527
Software package information	DH_IPC-HUM7XXX-E2-Volt_MultiLang_PN_V2.820.0000000.4.R.210527.zip DH_IPC-HUM7XXX-E2-Volt_MultiLang_NP_V2.820.0000000.4.R.210527.zip DH_IPC-HX5XXX-Volt_MultiLang_PN_Stream3_V2.820.0000000.4.R.210527.zip DH_IPC-HX5XXX-Volt_MultiLang_NP_Stream3_V2.820.0000000.4.R.210527.zip DH_IPC-HX5XXX-Volt_MultiLang_NP_Stream3-USA_V2.820.0000000.4.R.210527.zip
OS requirement	None
Release date	2021/06/05

1.2 New Features

None

1.3 Fixed Bugs

Fixed bugs	Description
1	Some operations on DMSS causes the device to restart.

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

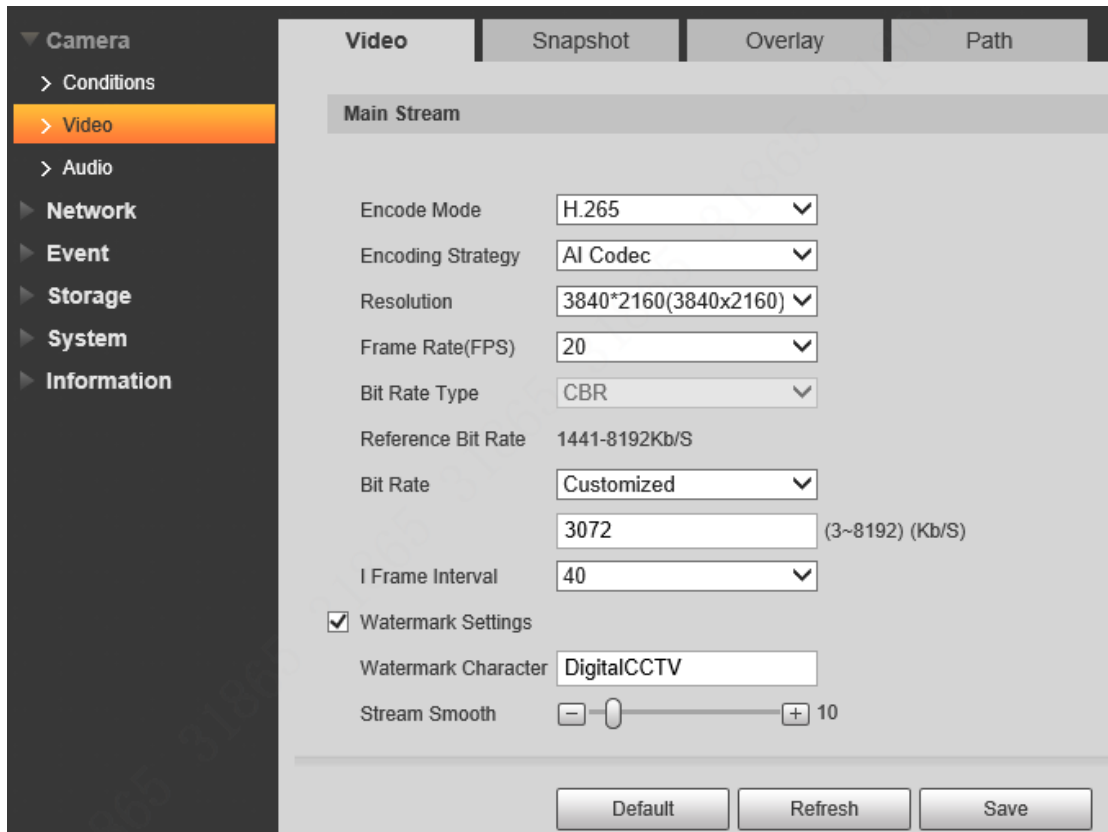
outdoor animals and trains massive animal data. If an animal trips the rule line, SMD will filter out the alarm triggered by animals and only keep the alarm triggered by people and vehicles.

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, ofileT, ofileS
- 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.

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