



Dalton V2.820.0000000.13.R.210402

Release Notes



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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.

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Release Notes

1.1 Overview

Item	Description
Product model	Dalton platform overseas HXX36XX/HXX38XX series product
Version	V2.820.0000000.13.R.210402
Software package information	DH_IPC-HX3XXX-Dalton_MultiLang_NP_Stream3_V2.820.0000000.13.R.210402.zip DH_IPC-HX3XXX-Dalton_MultiLang_PN_Stream3_V2.820.0000000.13.R.210402.zip DH_IPC-HX3XXX-Dalton_MultiLang_NP_Stream3-USA_V2.820.0000000.13.R.210402.zip
OS requirement	None
Release date	April 2, 2021

1.2 New Features

Features	Description	Recommendation
1	Supports SMD V3.0; reduced false alarm for large animal, such as cattle, horse, and sheep.	★★★
2	Supports AI coding function. Release storage space through intelligent algorithm judgment.	★★★

1.3 Fixed Bugs

Fixed bugs	Description
1	Device 80 port is occasionally blocked.
2	RTMP custom address input box does not support special symbols.

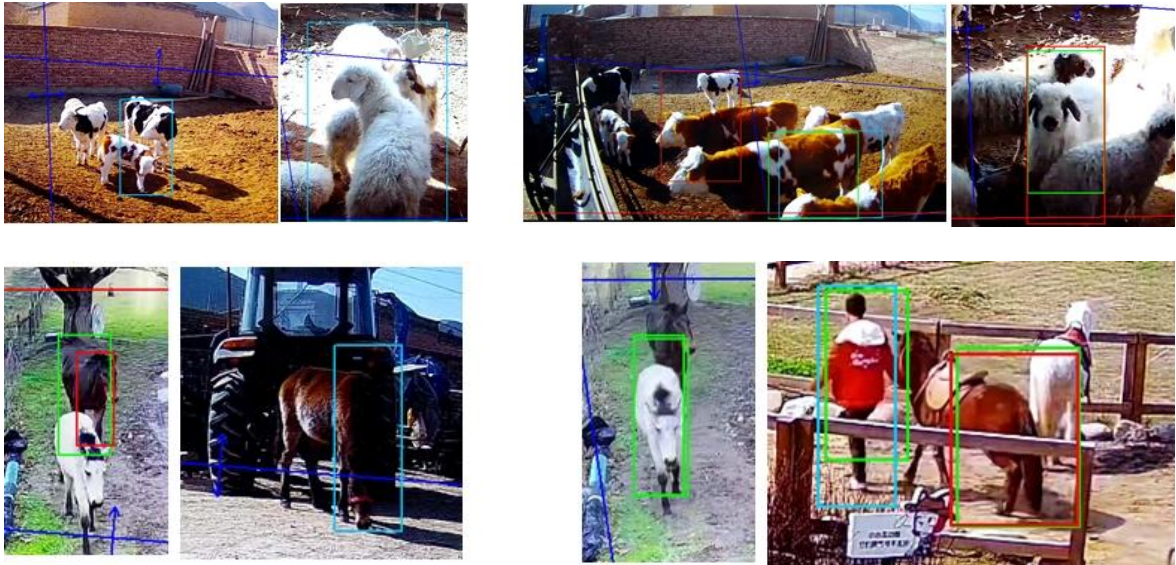
1.4 Instructions for New Features

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 Series 3 products, and the detection optimization is mainly for the large animal (such as cattle, horse, and sheep). The main optimization points are as follows:

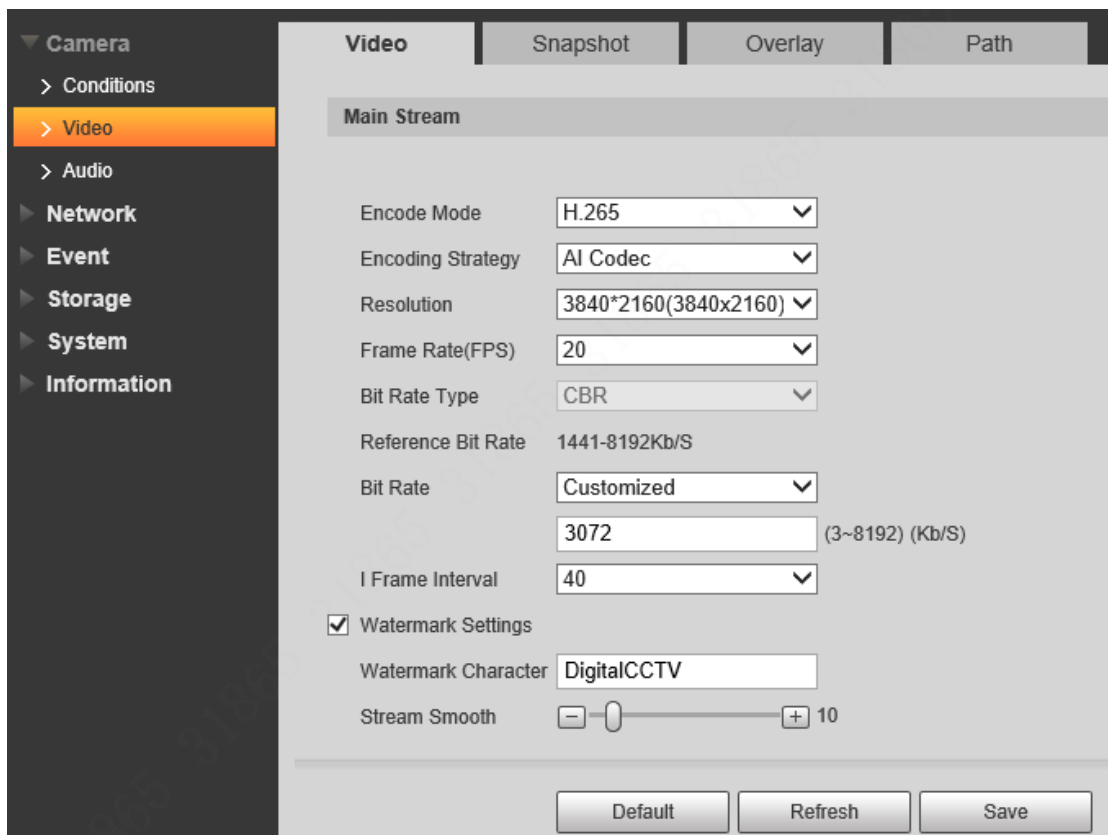
The current SMD function only detects people and vehicles. Version 2.0 optimizes the false alarm of small animals, such as cats and dogs in the family. Version 3.0 optimizes the algorithm for large outdoor animals and trains massive animal data. If an animal trips the rule line, SMD will filter out the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

- 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

- IE: IE9, IE11
- Firefox: 34.0.5.5443, 82.0.3
- Chrome: 21.0.1180.11, 86.0.4240.198

1.5.3 Third Party Access

- ONVIF testing tool version: V20.06
- ONVIF: Supports ProfileG
- MILESTONE testing tool version: Milestone XProtect Corporate 2019 R2
- GENETEC testing tool version: Security Center Version 5.7SR1(5.7.529.12)

1.6 Software Environment

Platform	Model	Version
NVR	NVR4000-4KS2	2.6.02.02.00495 DH_NVR4XXX-4KS2_MultiLang_V4.001.0000003.1.R.200813.zip

	NVR5000-4KS2	2.6.01.02.08557 DH_NVR5XXX-4KS2_MultiLang_V4.001.0000003.1.R.200813.zip
	NVR4000-I	2.6.01.02.03731 DH_NVR4XXX-I_MultiLang_NP_V4.000.0000000.1.R.20190809.zip
	NVR5000-I	2.6.01.02.03721 DH_NVR5XXX-I_MultiLang_NP_V4.000.0000000.1.R.20190809.zip
APP	DMSS	ios:4.91.004 android 4.91.000
Tools	Player	2.8.02.01.00303 General_SmartPlayer-Win32_Eng_IS_V4.000.0000001.4.R.191009.zip
	ConfigTool	2.8.02.01.00366 General_ConfigTool_ChnEng_V4.011.0000003.6.R.20200114.zip
	SmartPSS	2.7.05.01.00829 DH_SMARTPSS-Win64_ChnEng_IS_V2.003.0000002.0.R.200513.zip 2.7.05.01.00828 General_SMARTPSS-Win64_ChnEng_IS_V2.003.0000002.0.R.200513.zip
Platform	DSS pro	2.7.01.02.01423 General_DSS-PRO_Win64_IS_V7.002.0000005.0.R.20200414.exe 2.7.01.02.01424 General_DSS-PRO_Win32_IS_V7.002.0000005.0.R.20200414.exe

1.7 Pending Issues

None.

1.8 Update Guide

See the following points for the update:

- Do not disconnect the network, restart and turn off the camera during update.
- When upgrading with the false file, you need to restart the device, otherwise some functions might be disabled.

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