



LEO V2.800.0000000.26.R.210421

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 similar stylized lowercase "dahua" with a different color scheme, and a stylized lowercase "dahua" with "TECHNOLOGY" written below it. These are followed by the text "and" and the acronym "HDCVI" in a bold, black, uppercase font. The text "are the trademarks or registered trademarks of Dahua." follows.

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Release Notes

1.1 Overview

Item	Description
Product model	Leo Platform Series 32/34/35; Economic Fisheye Camera
Version	V2.800.0000000.26.R.210421
Software package information	DH_IPC-HX3XXX-Leo_MultiLang_NP_Stream3_V2.800.0000000.26.R.210421.zip DH_IPC-HX3XXX-Leo_MultiLang_PN_Stream3_V2.800.0000000.26.R.210421.zip DH_IPC-HX5(4)(3)XXX-Leo_MultiLang_NP_Stream3_V2.800.0000000.26.R.210421.zip DH_IPC-HX5(4)(3)XXX-Leo_MultiLang_PN_Stream3_V2.800.0000000.26.R.210421.zip DH_IPC-HX5(4)(3)XXX-Leo_MultiLang_NP_Stream3-USA_V2.800.0000000.26.R.210421.zip DH_IPC-EX5XXX-Leo_MultiLang_NP_Stream3_V2.800.0000000.26.R.210421.zip DH_IPC-EX5XXX-Leo_MultiLang_PN_Stream3_V2.800.0000000.26.R.210421.zip DH_IPC-EX5XXX-Leo_MultiLang_NP_Stream3-USA_V2.800.0000000.26.R.210421.zip
OS requirement	None
Release date	April 26, 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	Added AbroadInfo field to distinguish domestic market from overseas market when searching for storage devices.
2	You can not search for videos by file name with VLC of high version.

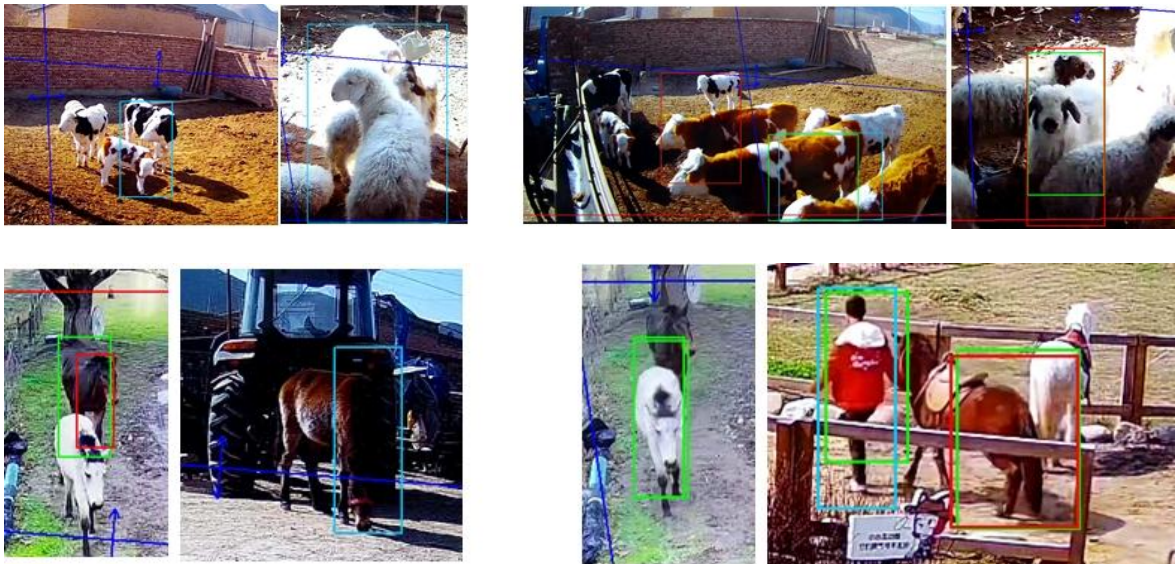
1.4 Instructions for New Features

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:

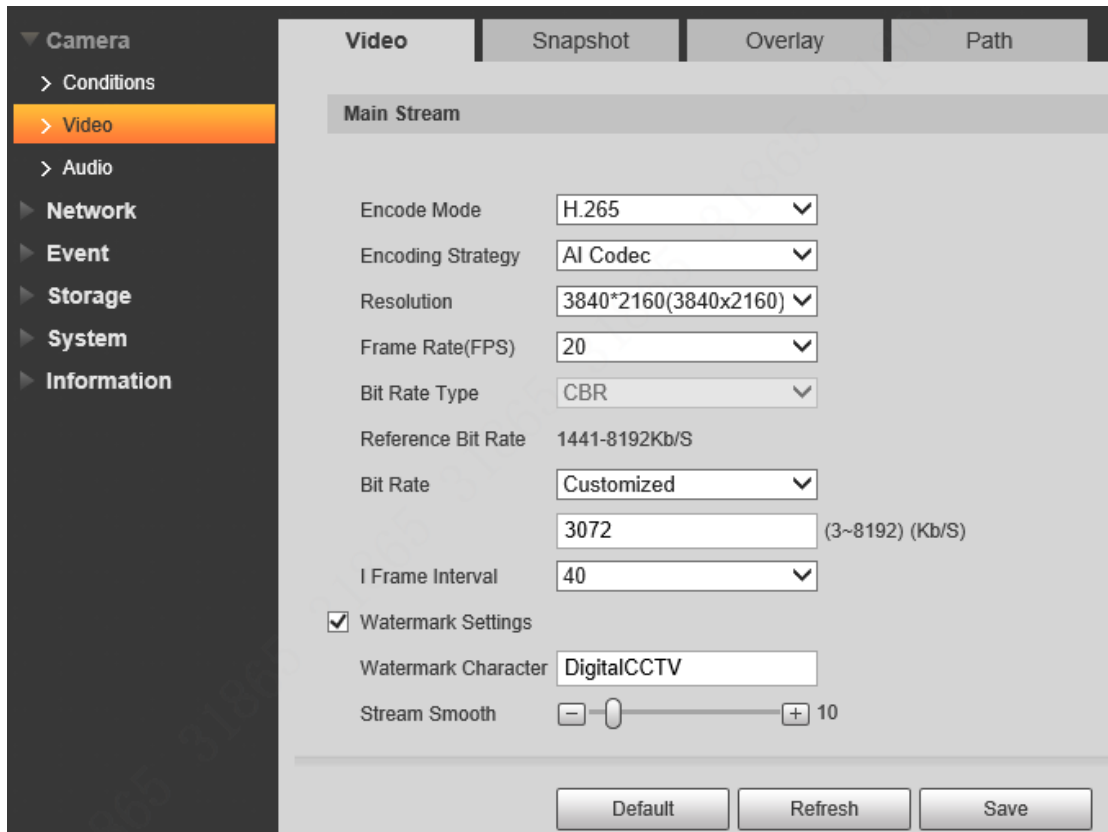
The current SMD function only detects people and vehicles. Version 2.0 optimizes the false alarm of small animals, such as cats and dogs in the family. Version 3.0 optimizes the algorithm for large outdoor animals and trains massive animal data. If an animal trips the rule line, SMD will filter out the 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
	NVR4X-I	2.6.01.02.08571 DH_NVR4XXX-I_MultiLang_V4.001.0000000.2.R.200814.zip
	NVR5X-I	2.6.01.02.08563 DH_NVR5XXX-I_MultiLang_V4.001.0000000.2.R.200814.zip
EVS/IVSS	EVS5X	2.6.01.02.06170 DH_EVS50XX_Eng_V3.210.0000002.4.R.200220.bin
	EVS7X	2.6.01.02.07268 DH_EVS71XX_Eng_V4.001.0000000.2.R.200514.BIN
	IVSS7XX	2.6.01.02.07976 DH_IVSS7XX_Eng_V2.001.0000000.0.R.200703.BIN
APP	DMSS	General_DMSS-Android-Phone_MultiLang_Basic_IS_V1.000.00000 02.2.R.200408
Tools	Player	2.8.02.01.00303 General_SmartPlayer-Win32_Eng_IS_V4.000.0000001.4.R.191009.zip
	ConfigTool	2.8.02.01.00407 General_ConfigTool_ChnEng_V4.011.0000003.7.R.20200325.zip
	SmartPSS	2.7.05.01.00850 DH_SMARTPSS-Win64_ChnEng_IS_V2.003.0000002.1.R.200602.Bugfix.zip
DSS	Smart7016D-I	2.6.01.13.00156 General_SMARTDSS7XXX_Chn_Basic_V1.003.0000000.0.R.20200509.tar.gz
	C9100	2.4.01.01.12694 C9100_VideoCloud_V3.006_20200708.iso
	H8900	2.7.01.08.03904 General_DSS-H8900_Chn_Basic_V3.001.0000004.8.R.20200426.tar.gz
F7500	IVS-F7500-P-S2	2.7.07.01.00898 General_IVS-F7500-T-S2_ChnEng_DataNode-Base-MD5-0794_V1.002.0000002.5.R.200311.tar.gz

1.7 Pending Issues

None.

1.8 Update Guide

See the following points for the update:

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

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