



LEO
V2.800.0000000.21.R.201124

Release Notes

ZHEJIANG DAHUA VISION TECHNOLOGY CO., LTD.

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Release Notes

1.1 Overview

Item	Description
Product model	LEO platform overseas 5/4/3 series product
Version	V2.800.0000000.21.R.201124
Software package information	DH_IPC-EX5XXX-Leo_MultiLang_NP_Stream3-USA_V2.800.0000000.21.R.201124.zip DH_IPC-EX5XXX-Leo_MultiLang_NP_Stream3_V2.800.0000000.21.R.201124.zip DH_IPC-EX5XXX-Leo_MultiLang_PN_Stream3_V2.800.0000000.21.R.201124.zip DH_IPC-HX5(4)(3)XXX-Leo_MultiLang_NP_Stream3-USA_V2.800.0000000.21.R.201124.zip DH_IPC-HX5(4)(3)XXX-Leo_MultiLang_NP_Stream3_V2.800.0000000.21.R.201124.zip DH_IPC-HX5(4)(3)XXX-Leo_MultiLang_PN_Stream3_V2.800.0000000.21.R.201124.zip DH_IPC-HX3XXX-Leo_MultiLang_NP_Stream3_V2.800.0000000.21.R.201124.zip DH_IPC-HX3XXX-Leo_MultiLang_PN_Stream3_V2.800.0000000.21.R.201124.zip
OS requirement	None
Release date	2020/12/10

1.2 New Features

Features	Description	Recommendation
1	Optimized the algorithm of IVS and SMD(Optimized the detection of small animals), and deleted scene changing and defocus detection functions because of storage shortage of optimized series 32 devices.	★★★
2	Added legal information for web (software license agreement, privacy policy, and open source software notice).	★★★
3	Updated the strings of Blocklist and allowlist.	★★
4	Audio is disabled by default.	★
5	Supports the version of Onvif V20.06	☆
6	Security baseline 2.1 for web.	☆

1.3 Fixed Bugs

Fixed Bugs	Description
1	The Korean cannot be displayed normally.
2	For high-resolution device, the OSD font is too small.
3	NTP timing error.
4	The device might be offline when the Paas domain is updated.
5	The recorded videos cannot be searched when the IPC was added through Onvif.
6	The data of people counting uploaded to cameras and back-end devices is not synchronistic.

7	Memory leak of the general NetFramework.
8	Full-disk alert prompts when logging in.

1.4 Instructions for New Features

1.4.1 Optimizing the Algorithm of Animal Detection Based on SMD and IVS

Optimize animal detection of SMD and IVS functions of the released 3 series network camera.

- At present, IVS and SMD are mainly for human and vehicle detection, and it has no detection model for animal. With the training of massive data, the model is optimized.
- When you enable IVS and SMD, false alarm will occur when an animal is detected. After optimizing the algorithm model, false alarms caused by animals will be filtered when the target is human or vehicle.

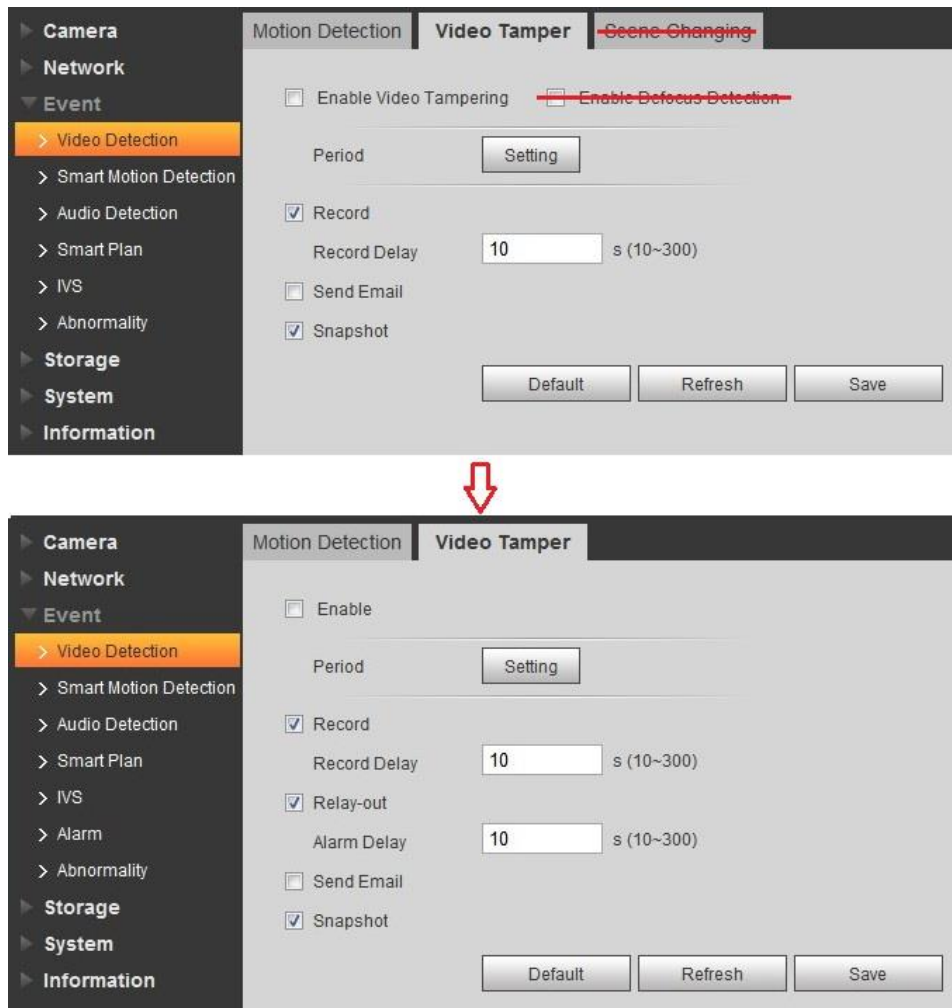
For the optimization effect, see Figure 1-1.

Figure 1-1 Optimization effect



- Because of the storage shortage of the series 32 devices after SMD and IVS optimization, scene changing and defocus detection functions are deleted.

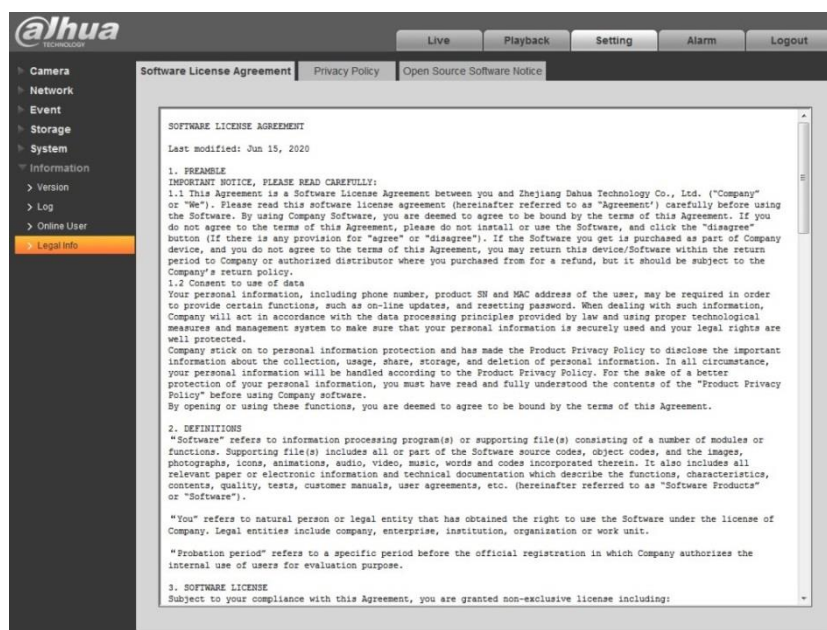
Figure 1-2 Delete scene changing



1.4.2 Legal Information

As the company requirements of device compliance, software license agreement, private policy and open source software notice need to be displayed on the device.

Figure 1-3 Legal information on web



1.4.3 String Translation

Background

Certain strings were suspected of racial discrimination, and the translation of which needs to be changed to avoid potential risks.

Solution

- Change to allowlist and blocklist.
- Naturally update the baseline program, along with which update the specified programs.
- Following the update of the program, update the package, documentation, publicity material and legal clause.

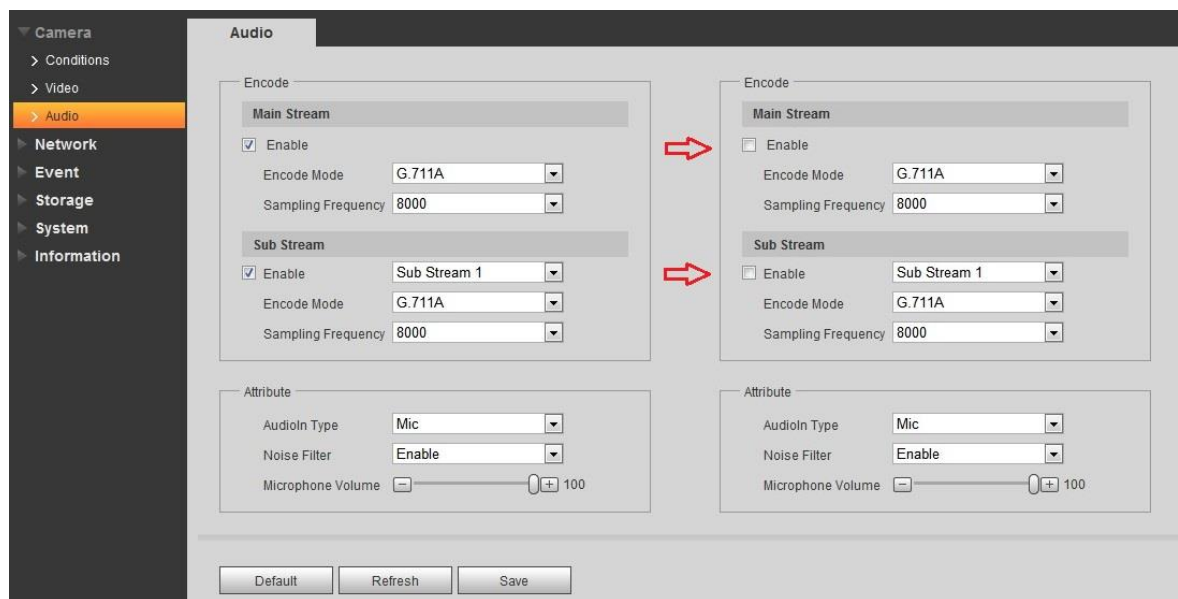
Influenced Scope

The program interface, package, documentation, publicity material and legal clause of all Dahua and general products.

1.4.4 Disabled Audio

Audio is disabled by default, because collecting audio without informing others is illegal in some areas.

Figure 1-4 Disabled (default) audio



1.4.5 Updated Web Version

Updated web version number for Onvif and security baseline programs.

Figure 1-5 Updated version



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: V19.12
- 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	2.6.01.02.08287 DH_NVR5XXX-4KS2_MultiLang_V4.001.0000003.0.R.200727.zip

	NVR5000-4KS2	2.6.01.02.06473 DH_NVR5XXX-4KS2_MultiLang_V4.001.0000000.1.R.200319.zip 2.6.01.02.06476 General_NVR5XXX-4KS2_Eng_V4.001.0000000.1.R.200319.zip 2.6.01.02.06475 General_NVR5XXX-4KS2_MultiLang_V4.001.0000000.1.R.200319.zip
	NVR4X-I	2.6.01.02.03731 DH_NVR4XXX-I_MultiLang_NP_V4.000.0000000.1.R.20190809.zip
	NVR5X-I	2.6.01.02.08011 DH_NVR5XXX-I_MultiLang_V4.001.0000000.1.R.200707.zip
EVS/IVS S	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_V1.000.0000002.2.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.Bugix.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:

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

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