H92 AcuSense NVR V4.40.410 Build200902
Release Notes
(2020-09-4)

Firmware **Basic Information**	Firmware Version:	V4.40.410 build 200902
	SDK Version:	V6.1.4.45_build20200525
	Play Library (PlayCtrl.dll)	V7.3.8.45
	Web version	V4.0.1 build200803
	Client version	V3.3.2.2 build20200728

Reason of Upgrade

Add new features and optimize product performance.

New features

1. Support video perimeter protection analysis by sub stream.

Support video perimeter prevention analysis

1) Maximum support for 4 channels 1080P local smart detection, and the maximum resolution of single channel local smart detection is 4K;

2) Maximum support for 4 channels D1 (704 * 576 / 704 * 544) sub stream local smart detection;

3) Adaptive local smart detection. If there is sub stream in the accessed IPC, the video perimeter will use sub stream to analyze. If there is no sub stream, it will use the main stream;

4) The total decoding capacity of local smart detection is no more than 4-ch 1080P, and the user will be prompted if the limit is exceeded;

5) The resolution of the alarm picture is not more than 1080P, if it is lower than 1080P, it will capture the original resolution; if it is greater than 1080P, it will capture 1080P.

2. Support "high resolution mode" in video perimeter protection.

High resolution mode of video perimeter protection:

The high-resolution mode is selected by default. When the high-resolution mode is turned on, the detection distance and effect are better, and it will use the main stream to analyze.

1) Maximum support for 4 channels 1080P local smart detection, and the maximum

resolution of single channel local smart detection is 4K;

2) Local smart detection supports resolution of 720P ~ 4K;

3) The resolution of the alarm picture is not more than 1080P, if it is lower than 1080P, it will capture the original resolution; if it is greater than 1080P, it will capture 1080P;

General mode of video perimeter protection:

The high-resolution mode is not selected. The detection distance and effect are slightly poor, and it will use the sub stream to analyze.

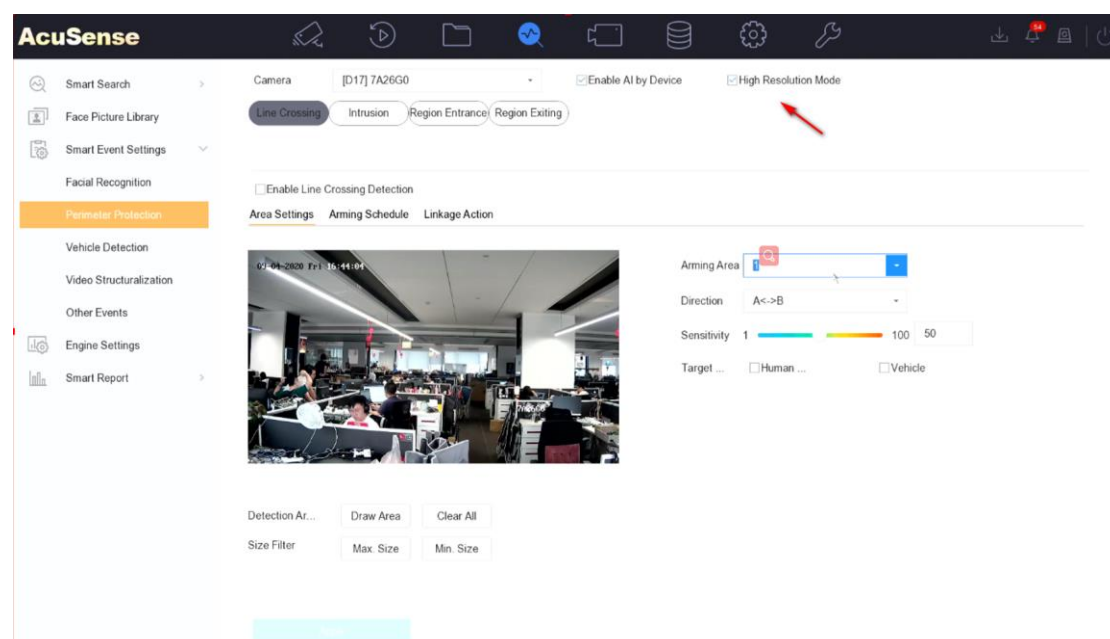1) Maximum support for 4 channels D1 (704 * 576 / 704 * 544) sub stream local smart detection;

2) Adaptive local smart detection. If there is sub stream in the accessed IPC, the video perimeter will use sub stream to analyze. If there is no sub stream, it will use the main stream;

3) The total decoding capacity of local smart detection enabled is no more than 4-ch 1080P;

4) The resolution of the alarm picture is not more than 1080P, if it is lower than 1080P, it will capture the original resolution; if it is greater than 1080P, it will capture 1080P.

Local configuration:

[GUI] Configuration: Go to Smart Analysis > Smart Event Settings > Perimeter Protection and select "High Resolution Mode".

Modified functions

Asynchronous import specification change of face database

1. The number of H92 import tasks is 1

2. One task can issue 1W faces at most

3. The maximum of XML support to 10M (still claiming the 6M)

4. The maximum number of deleted faces in a single database is 10

Related product list:

AcuSense NVR	Overseas: DS-79(08/16/32)NXI-I4/S DS-79(08/16/32)NXI-I4/16P/S DS-77(08/16/32)NXI-I4/S DS-77(08/16/32)NXI-I4/(16P)/S DS-76(08/16)NXI-I2/S DS-78(08/16)NXI-I2/S DS-7808NXI-I2/8P/S DS-7608NXI-I2/8P/S DS-7816NXI-I2/16P/S DS-7616NXI-I2/16P/S

Customer Impact and Recommended Action

This new firmware upgrade is to improve product performance, and will take effect

automatically after upgrading from previous versions. We'd like to inform you the

above changes. Also, we are sorry for any possible inconvenience of use-habit

changes caused by this action.

For questions or concerns, please contact our local technical support team.

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