**Network Video Recorder**

**Version:** **V3.4.102 build200311**

**Release Note**

**(2020-3-11)**

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| **Firmware****Basic Information** | Firmware Version: | V3.4.102 build200311 |
| SDK Version: | V6.0.2.30\_build20190325 |
| Web component: | V4.0.1 build20200218 |
| IVMS-4200: | V2.6.18.2 build20190326 |
| OpenSDK Version: | V1.5.11 build 170828 |

# Reason of Upgrade

Add new features and optimize product performance.

# New features

## 【Activation function】

1. When restore NVR to inactivation or factory settings, it prompts "Whether to restore IPC factory settings". Select Yes to restore the IPC factory settings, and select No to not restore IPC factory settings.

## 【Decoding ability improved】

1. Support 4 ch-1080P decoding.

When accessing WIFI IPC for the first time, the 2M WIFI IPC encoding parameters as follows:

Variable rate

Resolution: 1080P

Frame rate: 15FPS

Video Encoding: H265

Bit rate: 1229kbps

And the 4MP WIFI IPC encoding parameters as the next one

Variable rate

Resolution: 4M

Frame rate: 12FPS

Video Encoding: H265

Bit rate: 1664Kbps

1. Add the new model of the Wi-Fi NVR [DS-7104NI-K1/W/M(C)] which can decode 4-ch 4MP IPC.

## 【Add the working status display of WIFI】

1. Add the working status of Wi-Fi on the system running status Interface.
2. NVR will get the signal strength (signal strength at both ends of NVR and IPC), negotiation rate (uplink and downlink), packet error rate, working channel

## 【Add some log details】

1. Add some logs details about the video loss, like the Wi-Fi connection status，signal strength，negotiation rate (uplink and downlink), real time packet error rate.

# Modified functions

## 【Wi-Fi rate optimization】

1. Update Wi-Fi driver and optimize rate selection algorithm，use the adapted rate in the case of long distances.

**Related product list:**

|  |  |
| --- | --- |
| Wi-Fi series NVR | DS-7100NI-K1/W/MDS-7100NI-K1/W/M（C） |

**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 t

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