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|-------------------------|---|-----------------|--------|--------------|----------|
| Title: | RN Release Notes F-Series NVR | Version: | v3.2.7 | Date: | 11/21/16 |
| Product: | Select F-Series Network Video Recorders (NVR) | Build: | 161013 | Page: | 1 of 2 |
| Action Required: | None, Information Only | | | | |

■ Summary

• Basic Firmware Information

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|------------------|----------------------------|
| Firmware Version | v3.2.7, build 161013 |
| SDK Version | v5.2.5.15, build 20160906 |
| ONVIF Protocol | ONVIF 2.4 |
| IVMS-4200 | v2.5.3.102, build 20160914 |
| Web Component | v4.0.1, build 150708 |

• Reason for Upgrade

Added new functions and fixed bugs for better performance on DS-96xxxNI-F/(H) NVR.

■ New Features

• USB Flash Disk Debugging

Supports printing NVR kernel running information to USB flash disk in txt format for debugging.

• Video Wall

Supports adjusting image contrast, brightness, chroma, and saturation of video wall output.

■ Optimization

• Live View

Fixed the issue that live view might fast forward when user switched screens.

• RTSP

Fixed the issue that client couldn't get audio from the NVR with RTSP protocol after channel 32.

• System

Optimized the NVR's stability in the following situations:

- User changes IP camera's stream type frequently
- User exports IP camera list in camera management interface
- HDD is damaged and detected by NVR
- User clicks alarm icon in left bottom corner of live view interface frequently

• Live View

Fixed issue that the IP camera's image stayed in the live view interface even if the IP camera was disconnected.

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■ Supported Products

| Supported Products List | |
|-------------------------|------------------|
| DS-96128NI-F16 | DS-96128NI-F24 |
| DS-96256NI-F16/H | DS-96256NI-F24/H |
| DS-96256NI-F24 | DS-96256NI-F16 |
| DS-96128NI-F16/H | DS-96128NI-F24/H |

■ Customer Impact and Recommended Action

This new firmware upgrade improves product performance and will take effect automatically after upgrading from previous versions.

NOTES: We are sorry for any inconvenience of use-habit changes caused by this action. For questions or concerns, please contact our local technical support team.

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