

Network Video Recorder

Version: V4.76.109_260713

Release Note

Firmware Basic Information	Firmware Version:	V4.76.109_260713
	SDK Version:	6.1.9.46
	Play Library:	7.3.3.0
	Web component:	V4.0.1build250227
	OpenSDK Version:	2.15.3_bugfix

Reason of Upgrade

New features and problem fixes

New Features

1. Fix CVE202604 security vulnerabilities

Modified functions

1. Optimized security scanning capability to resolve abnormal device crashes during scanning.
2. Improved compatibility for overseas legacy eMMC-based devices, fixing occasional runtime crashes.
3. Fixed an issue where the device would freeze when the screen saver activates while staying on the log-search prompt page.
4. Fixed device freeze on the person-search page when clicking the last page after successful face comparison.
5. Optimized IPC channel connection logic to resolve occasional channel offline and stream fetch failures.
6. Optimized stream acquisition logic for NVR connected to third-party cameras. Resolved the issue where third-party cameras only send RTCP packets without video data, leading to shown-online status with no actual video stream and failed auto-reconnection.
7. Optimized password-configuration processing logic to enhance reliability and security of encrypted password storage.

8. Fixed the problem that NVR adds cameras before self-activation when both NVR and cameras are at factory default status, which causes camera activation failure.
9. Optimized preview capability for ONVIF-connected cameras; fixed failure to trigger forced I-frames during platform preview.
10. Fixed invalid auto-detection thread within 4 minutes after device reboot from Hik-Connect upgrade, ensuring stable Hik-Connect connectivity.
11. Corrected incorrect `regionID` and `sceneID` fields in perimeter-alarm ISAPI report messages to ensure accurate alarm event reporting.
12. Optimized RTSP thread handling under extreme network conditions to avoid thread-crash risks.
13. Optimized SIP message parsing by adding parameter validity checks to improve parsing stability.
14. Fixed UPNP - related security vulnerabilities and device crashes triggered by UPNP security scanning, strengthening device security protection.
15. Optimized Hik - Connect upgrade flow; fixed upgrade failures caused by querying upgrade packages or obtaining upgrade progress during the upgrade process.
16. Fixed abnormal upgrade-progress rollback during full-device upgrades via SDK and Hik-Connect.

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.

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