



Merit LILIN Network Product Vulnerability Notification

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Dept.: Technical Support, Taipei

Vulnerability Notification

Summary

Recently discovered security vulnerabilities affect LILIN DVRs/NVRs.

- (1) Use default password
- (2) Internet access with global IP address

If your NVR/DVR is using QR code P2P connection, there is no firmware update needed.
If your NVR/DVR is used for Internet access via VPN, there is no firmware update needed.

The cause

/getclock CGI command with default password could cause NTP server communication with injection for DDoS attack

Products affected

DH032: Firmware v1.0.28.3858 and lower

DVR708, DVR716, DVR816: Firmware v1.3.4 and lower

NVR100L, NVR200L, NVR400L, NVR1400L, NVR2400L: Firmware v1.1.66 and lower

NVR3216, NVR3416, NVR3416r, NVR3816: Firmware v2.0.74.3921 and lower

NVR5832, NVR5832S: Firmware v4.0.24.4043 and lower

NVR5104E, NVR5208E, NVR5416E: Firmware v4.0.24.4078 and lower

The solution

Perform firmware update for your DVR/NVR with vulnerabilities. The firmware can be found [here](#) or [LILIN web site](#).

If the firmware update is not possible in a timely manner, isolate the DVR/NVR from the access of Internet.

Vulnerabilities found

1. DDoS attacks to other Internet devices.
2. Fixed host name injection issue for accessing NTP servers.

Action suggested

1. Perform firmware update.
2. Force to prompt changing username and password.
3. Change port number for your DVR.

Additional resources

- Visit [LILIN Security Bulletins](#) for LILIN vulnerability policy and other cyber security issues.
- Please contact the LILIN PSIRT if you have feedback, comments, or additional information about this vulnerability at security@meritlilin.com.tw.

The issue is found by Yanlong Ma and Genshen Ye from Qihoo 360 Technology Co. Ltd on September 25, 2020. LILIN fixed the issue and reported back on September 26, 2020.

Contact:

For more information, please contact LILIN sales representative [worldwide](#). You can also submit a support ticket at LILIN [ZenDesk](#).