مجلس الأمن السيبراني
CYBER SECURITY COUNCIL
United Arab Emirates

Multiple Vulnerabilities in Hikvision NVR Devices

Tracking #:432315755

Date:05-04-2024

EXECUTIVE SUMMARY:

The UAE Cyber Security Council has observed Multiple Vulnerabilities in Hikvision NVR Devices that could be exploited to disrupt critical services or execute malicious code on affected systems.

TECHNICAL DETAILS:

Vulnerabilities Details:

- **CVE-2024-29949 (CVSS Score: 7.2 HIGH): Command Injection**
  - Description: An authenticated user with administrative privileges could potentially execute arbitrary commands on the device due to a command injection vulnerability.
- **CVE-2024-29948 (CVSS Score: 3.8 LOW): Out-of-Bounds Read**
  - Description: An authenticated attacker could leverage this out-of-bounds read vulnerability to disrupt services on the device through specially crafted messages.
- **CVE-2024-29947 (CVSS Score: 2.7 LOW): NULL Pointer Dereference**
  - Description: An attacker could exploit this NULL pointer dereference vulnerability by sending specially crafted messages to cause a process crash on the device.

Affected Products and Versions:

Product Name	Affected by	Affected Versions
DS-7604NI-K1 / 4P(B)	CVE-2024-29947 & CVE-2024-29949	V4.30.096 build221220 and the versions prior to it
DS-7604NXI-K1/4P	CVE-2024-29948	V4.76.005 build231012 and the versions prior to it
DS-76xxNI-Mx DS-77xxNI-Mx DS-96xxxNI-Mxx DS-76xxNXI-Ix DS-77xxNXI-Ix DS-86xxNXI-Ix DS-96xxNXI-Ix iDS-76xxNXI-Mx iDS-77xxNXI-Mx iDS-96xxxMXI-Mxx	CVE-2024-29949	Versions after V5.00.000 (including V5.00.000) and before V5.02.006（not including V5.02.006）
DS-7604NI-M1/4P		Versions after V5.00.000 (including V5.00.000) and before V5.01.070（not including V5.01.070）

Fixed Versions:

Download patches/updates from the Hikvision official website

RECOMMENDATIONS:

The UAE Cyber Security Council recommends applying the mitigation or workaround provided by Hikvision.

Kindly circulate this information to your subsidiaries and partners as well as share with us any relevant information and findings.

The UAE Cyber Security Council extends its appreciation for the continued collaboration.

REFERENCES:

https://www.hikvision.com/en/support/cybersecurity/security-advisory/security-vulnerabilities-in-hikvision-nvr-devices/