

# Security Advisory



CVE-2023-21407/12 - 01.08.2023 (v1.0)

## Affected products, solutions, and services

- AXIS License Plate Verifier 2.8.3 or earlier

## Summary

Diego Giubertoni from [Nozomi Networks Inc.](#) has found multiple flaws in the [AXIS License Plate Verifier](#) ACAP application. Axis appreciates the efforts of security researchers and ethical hackers on improving security in Axis products, solutions, and services.

CVE-2023-21407 - [CVSS: 8.8 High](#)

*A broken access control was found allowing for privileged escalation of the operator account to gain administrator privileges.*

CVE-2023-21408 - [CVSS: 8.4 High](#)

*Due to insufficient file permissions, unprivileged users could gain access to unencrypted user credentials that are used in the integration interface towards 3<sup>rd</sup> party systems.*

CVE-2023-21409 - [CVSS: 8.4 High](#)

*Due to insufficient file permissions, unprivileged users could gain access to unencrypted administrator credentials allowing the configuration of the application.*

CVE-2023-21410 - [CVSS: 7.2 High](#)

*User provided input is not sanitized on the AXIS License Plate Verifier specific "api.cgi" allowing for arbitrary code execution.*

CVE-2023-21411 - [CVSS: 7.2 High](#)

*User provided input is not sanitized in the "Settings > Access Control" configuration interface allowing for arbitrary code execution.*

CVE-2023-21412 - [CVSS: 7.2 High](#)

*User provided input is not sanitized on the AXIS License Plate Verifier specific "search.cgi" allowing for SQL injections.*

The severities are calculated by using the CVSSv3.1 scoring system. Learn more about the Common Vulnerability Scoring System [here](#).

## Solution & Mitigation

Axis has released a patched version of AXIS License Plate Verifier (2.8.4). Pre-installed versions of AXIS License Plate Verifier are updated on the following products and versions.

AXIS P3245-LVE-3	AXIS OS 11.5.72 & 10.12.193 LTS
AXIS P3265-LVE-3	AXIS OS 11.5.72
AXIS P1445-LE-3	AXIS OS 11.5.72 & 10.12.193 LTS
AXIS P1455-LE-3	AXIS OS 11.5.72 & 10.12.193 LTS
AXIS P1465-LE-3	AXIS OS 11.5.72

[Axis Vulnerability Management Portal](#) | [Axis Vulnerability Management Policy](#) | [Axis Security Notification Service](#)

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The release notes will state the following:

*Corrected CVE-2023-21407, CVE-2023-21408, CVE-2023-21409, CVE-2023-21410, CVE-2023-21411, CVE-2023-21412. For more information, please visit the [Axis vulnerability management portal](#).*

The latest Axis device software can be found [here](#). The latest version of AXIS License Plate Verifier can be found [here](#). For further assistance and questions, please contact [AXIS Technical Support](#).