

What's new in AXIS OS?

This flyer covers selected features and updates in AXIS OS 12.8. A complete overview is available in the [release notes](#).

The list of Axis devices that can be updated to AXIS OS 12.8 active track release is available [here](#).



GENERAL

Feature / update	Function	Value
Added virtual hosts for HTTP and HTTPS	<ul style="list-style-type: none"> By default, there are two virtual hosts configured—one for HTTP and one for HTTPS. These can be modified or turned off as needed, but they cannot be removed. The virtual hosts are used in the authentication process, to inform the Axis device what kind of authentication method should be used between the client and the device. 	<ul style="list-style-type: none"> Easier configuration by adding the flexibility for customers to enable/disable the virtual hosts.
Export-import device configuration feature	<ul style="list-style-type: none"> Schedules are now added to this already available feature. The user can export (copy) the current configurations into a JSON file, that can be edited and then imported to a second device. This second device then automatically gets configured with the same settings. Credentials are excluded from the export file due to security reason but can be added before import. Available in the web interface. 	<ul style="list-style-type: none"> Simplifies and streamlines device set up. Saves time and reduces the risk of mistakes in the installation process.
Expanded the audit log coverage by including logs for RTSP streaming	<ul style="list-style-type: none"> Audit log is now expanded to also cover RTSP streaming. Since previous releases, audit log also covers e.g: Firewall activity, HTTP events, system events, ACAP management, storage/recording events, SSH and SNMP. Available in the web interface. 	<ul style="list-style-type: none"> Audit log allows IT teams to track relevant cybersecurity device events. Also relevant for incident handling and long-term monitoring.

CYBERSECURITY

Feature / update	Function	Value
Added support for AES-256 encryption for SNMPv3 privacy	<ul style="list-style-type: none"> Simple Network Management Protocol Version 3 (SNMPv3) is a crucial protocol in management device health monitoring. The Advanced Encryption Standard (AES) is a specification for encryption of electronic data. Previously we only supported AES-128, which is now complemented with AES-256. 	<ul style="list-style-type: none"> Targeting IT teams. Provides a higher level of security for SNMPv3 communications, ensuring that the data is better protected.
Updated OpenSSH to version 10.1	<ul style="list-style-type: none"> Updated software components. 	<ul style="list-style-type: none"> To increase overall cybersecurity level.
Added visual indicators in the web interface to guide users towards most secure configurations for various features	<ul style="list-style-type: none"> The visual indicators recommend the most secure configuration for features such as SNMP, HTTP(S), and Remote Syslog. In the web interface. 	<ul style="list-style-type: none"> To simplify the configuration and make it as secure as possible.

ANALYTICS

Feature / update	Function	Value
AXIS Audio Analytics	<ul style="list-style-type: none">• AXIS Audio Analytics is for the first time now compatible with speakers and initially these are supported: AXIS 1110-E, AXIS C1111-E, AXIS C1310-E MKII, AXIS C1410 MKII, AXIS C1710 and AXIS C1720.	<ul style="list-style-type: none">• Example of a use case could e.g. be identifying screams/broken glasses (through mic) and warning a crowd (through speaker) in dangerous situation, e.g. in a shopping mall or in a school.
AXIS License Plate Verifier*	<ul style="list-style-type: none">• Enhanced deep learning models improving detection and recognition for vehicles and license plates.• Added a pixel counter tool.	<ul style="list-style-type: none">• Improving detection and recognition for vehicles and license plates.• For quick measurement of minimum and maximum plate width.

* Applies to: AXIS P1465-LE-3, AXIS P3265-LVE-3 and AXIS Q1800-LE-3

TERMS

AXIS OS active track

The AXIS OS active track is the most updated and feature-progressive track of AXIS OS and is suitable for customers who want access to the newest features and improvements. New products are launched on this track which means the most immediate access to any new features and updates.

AXIS OS long-term support (LTS) track

The focus of the AXIS OS long-term support (LTS) track is to keep the products well integrated with third-party equipment or software and still get necessary bug fixes and cybersecurity updates. An LTS track has a fixed feature set, and a new track is issued every two years and maintained for five years. No new products or features are added to the LTS track.

Software Bill Of Material (SBOM)

An inventory list of all the components that make up a software resource.

Common Vulnerabilities & Exposures (CVE)

A public database that identifies and catalogs known cybersecurity vulnerabilities. All entries are scored using the Common Vulnerability Scoring System (CVSS) to evaluate the threat level.

Breaking change

A change in functionality that can break or disrupt the previously known and intended behavior. Typically implemented to improve usability and increase security.

LINKS

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