AXIS OS release notes

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About

Welcome to the AXIS OS Release Notes, a repository for the release notes about new features, security and other improvements for different AXIS OS tracks. *AXIS OS* is the Linux-based operating system used in most of your Axis network devices. It's purpose-built to live up to the most important criteria(s) for network devices: high standards for cybersecurity, ease of integration, quality, and long-term value.

Note
> The release notes provide details about the new features, cybersecurity patches and reported customer issues. Technical improvements to the device software are mentioned as general improvements without specifics since they are not relevant to customers.

- Release notes for the archived AXIS OS releases are accessible in the *AXIS OS Release Notes Archive*.

- More information about the AXIS OS upgrade recommendations and upgrade strategy can be found in the *AXIS OS Lifecycle*.

- In the *AXIS OS Knowledge base* you will find more information about AXIS OS features and functionality.

AXIS OS 12

Go to for a list of products on this track.

AXIS OS 12.7

Release date: 2025-11-03

Watch the release update *YouTube* video for a quick overview of the highlights.

Explore the *2-page flyer* for a concise feature summary. The guide provides a more detailed explanation of each feature and the value it adds.

Features for all products

- Device Configuration API: Added Network Time Sync API, to configure NTP/NTS/PTP client settings.
- Expanded the audit log coverage by including logs from multiple additional services.
- Added the possibility to test a recipient directly from the dialog when adding/editing an action rule, in the web interface.
- The ability to update values from a template or create custom recipients within an action rule has been added. Previously, this was only possible using the recipient templates created under System > Events > Recipients.
- Added support for secure HTTPS communication in new audio pairings. New pairings will require certificate verification of the remote speaker or microphone device. Existing pairings remain unchanged and may continue using HTTP.

Cybersecurity updates

- Updated OpenSSL to version 3.0.18 to increase overall cybersecurity level.
- Updated cURL to version 8.16.0 to increase overall cybersecurity level.
- Added Amazon Root CA 1,2,3 and 4 to the default CA trust store.

- Addressed *CVE-2025-8108*, *CVE-2025-8998*, *CVE-2025-9055* and *CVE-2025-9524*. These CVEs will be externally disclosed on 11 November 2025, more detailed information will follow then. For more information, please visit the *Axis vulnerability management portal*.

- Addressed *CVE-2025-11142*. This CVE will be externally disclosed on 10 February 2026, more detailed information will follow then. For more information, please visit the *Axis vulnerability management portal*.

Analytics updates

- Updated AXIS Sensor Metrics Dashboard.

  Applies to: AXIS F9111, AXIS F9111-R MK II, AXIS F9114, AXIS F9114-B, AXIS F9114-B MK II and AXIS F9114-R MK II

- Introduced a new PTZ Autotracker.

  Applies to: All products based on with PTZ support
  - Added support for linking to AXIS Object Analytics scenarios to trigger tracking.

  - Added new parameters: Profile.timeoutToHome, Profile.scenarioId and Global.maxTrackingTime.

  - Autotracking has been redesigned and moved to the Analytics tab for better user experience in the web interface.

- AXIS Object Analytics

  Note that not all products support AXIS Object Analytics. For more information on compatible products and features, visit the *AXIS Object Analytics*.
  - PTZ correctly clears the metadata overlay to ensure a clean video stream when Autotracking is active.

  - General update on algorithm.

- AXIS Audio Analytics
  - Added possibility to get summarized Sound Pressure Level (SPL) value (in decibel) via MQTT every 1 min"

  - Added support for Sound pressure level.

    Applies to: AXIS Q6300-E

- Smoke Alert Analytics

  Applies to: AXIS P1468-XLE, AXIS XFQ1656 and AXIS XPQ1785
  - Replaced the curl library with the ACAP SDKs.

  - Added compatibility with ALPS using I1.

  - Updated UI format and tooltips.

Product specific features

- Added support for togglable overlays on both live and playback videos. It allows users to seamlessly switch between full-forensic video view without graphical elements, and operational video view with overlays (e.g. bounding boxes, text overlays, and MQTT-overlays). This feature is enabled by adding the RTSP parameter "videolayers=1" in VAPIX.

  Limitation: This functionality is not yet fully developed for low bitrates and high compression levels (e.g. high, higher and extreme), where you might notice some visual artifacts. The artifacts will be remnants or traces of overlays in the non-overlay view.

  Applies to: All products on with AV1 Codec

- Added support for Precision Time Protocol (PTP) in the web interface.

  Applies to: All products on , , , and

- Behavior change: Radar configuration (scenarios and exclude zones) are no longer reset when doing a map calibration with the setup assistant.

  Applies to: All products with radar support

- Device Configuration API: Added API to display the accessories in use that are managed through the product's AXIS Housing Interface (AHI) port.

  Applies to: All products in P13, Q16 and Q17 series, which feature the port for controlling external housings.

- Added the TenBandGraphicEqualizer audiomixer plugin alongside the existing TenBandGraphicDspEqualizer to harmonize EQ settings.

  Applies to: AXIS C1110-E, AXIS C1111-E, AXIS C1210-E, AXIS C1211-E, C1310-E MK II, C1410 MK II, AXIS C1510, AXIS C1511, AXIS C1610-VE, AXIS C1710, AXIS C1720, AXIS C8110, AXIS C8210 and AXIS D4200-VE

- Added support for SIP to the InformaCast integration.

  Applies to: AXIS C1110-E, AXIS C1111-E, AXIS C1210-E, AXIS C1211-E, AXIS C1510, AXIS C1511, AXIS C1610-VE, AXIS C1710, AXIS C1720, AXIS C8110, AXIS C8210, AXIS D4200-VE and AXIS D4100-VE MK II

- AXIS Audio Manager Edge

  Applies to: AXIS C1110-E, AXIS C1111-E, AXIS C1210-E, AXIS C1211-E, AXIS C1510, AXIS C1511, AXIS C1610-VE, AXIS C1710, AXIS C1720, AXIS C8110, AXIS C8210 and AXIS D4200-VE

  - Added the possibility to visualize the PoE class negotiated for the C17 family of speakers since they can operate on different classes.

  - The Dashboard and the Music volume pages have gotten a revamp and Music volume have changed name to Playback.

  - Added the possibility to distribute the content player's load to the follower devices.

  - Added a new API to toggle mute and change volume with an offset.

- Added the possibility to lock and unlock the device screen. This feature provides an extra layer of security and privacy.

  Improved splash screen at start-up.

  Applies to: AXIS C6110

- Enabled two-way audio with echo cancellation, configurable via the audiomixer API. If echo cancellation was enabled before the upgrade, the input gain will reset to 0, since the new solution includes automatic gain control.

  Applies to: AXIS C1610-VE

- Added support for AXIS D6210 Air Quality Sensor.

  Applies to: AXIS D3110 MK II

- Added support for barrel distortion correction (BDC).

  Applies to: AXIS F9104-B MK II, AXIS F9111-R MK II, AXIS F9114-B MK II and AXIS F9114-R MK II

- Added support for SirenLight Network Pairing, an Edge-to-Edge technology.

  Applies to: AXIS M3215-LVE, AXIS M3216-LVE, AXIS M4225-LVE, AXIS M4226-LVE, AXIS M4228-LVE, P3275-LV/-LVE, AXIS P3277-LV/-LVE, AXIS P3278-LVE, AXIS P3285-LV/-LVE, AXIS P3287-LV/-LVE, AXIS P3288-LV/-LVE, AXIS Q3546-LVE, AXIS Q3548-LVE, AXIS Q3556-LVE, AXIS Q3558-LVE, AXIS Q3626-VE and AXIS Q3628-VE

- Enabled AXIS Scene Metadata on dewarped channels: Panorama, View Area 1–4, Corner Left, and Corner Right.

  Applies to: AXIS M4317-PLR/-PLVE, AXIS M4318-PLR/-PLVE, AXIS M4327-P and AXIS M4328-P

- daynight.cgi has been added to allow tuning of the day and night settings.

  Applies to: AXIS P3265-LV, AXIS P3265-LVE, AXIS P3265-V, AXIS P3267-LV, AXIS P3267-LVE, AXIS P3268-LV, AXIS P3268-LVE, AXIS P3268-SLVE and AXIS Q1798-LE

- Hardware modifications have been made to proactively prepare for the new NDAA 23 regulations that will be required in 2028. You will find more information about *NDAA Compliance* on axis.com. In AXIS OS knowledge base, you will find more about the *hardware changes*. The hardware ID can be found in Plain config > Properties > System > Hardware ID.
  - Products with Hardware ID A4A only support active track 12.7.53 and later.

    Applies to: AXIS Q8752-E MK II

AXIS OS 12.7.59

Release date: 2025–11–19

Corrections

- Improved interaction between Autopilot and Directional Audio Detection (DAD): If Autopilot is inactive when DAD triggers, the PTZ now moves to the correct position. If Autopilot is tracking, it temporarily pauses, directs the PTZ to the sound source, and resumes tracking after five seconds.

  Applies to: AXIS Q6300-E

AXIS OS 12.7.58

Release date: 2025-11-14

Corrections

- Corrected an issue where focus was not correct after upgrade or restart.

  Applies to: AXIS M1137-MKII and AXIS Q1615-MKIII .

- AXIS Audio Manager Edge: Corrected an issue regarding change leader use case.

  Applies to: AXIS C1110-E, AXIS C1111-E, AXIS C1210-E, AXIS C1211-E, AXIS C1510, AXIS C1511, AXIS C1610-VE, AXIS C1710, AXIS C1720, AXIS C8110, AXIS C8210 and AXIS D4200-VE

- Removed the unstitched mode since the product does not have enough margins to provide sensor overlap.

  Applies to: AXIS P3827-PVE

AXIS OS 12.7.53

Release date: 2025-11-03

New products

- AXIS S4000

Corrections

- Corrected an issue where special characters in an ACAP application's name would lead to license activation not working.

- Corrected an issue where Fallback to static IP address if DHCP isn't available, was enabled after upgrade.

- Corrected an issue where PTZ control queue not working correctly when "Use cookie" for the logged in user group is enabled.

- Added information in the web interface to remind users to review DHCP-dependent features like Hostname, DNS servers, and NTP when changing to static network settings.

- AXIS Audio Manager Edge: Corrected an issue where the upgrade could fail on the leader speaker due to a large amount of stored media.

- Corrected an issue where the web service crashed when sending certain auto focus commands via ONVIF.

  Applies to: All products with PTZ support

- Improved behavior when editing radar calibration. Scenarios and exclude zones maintain their position relative to the radar rather than the map.

  Applies to: All products with radar support

- Corrected an issue where the I/O port was incorrectly activated during the device boot up.

  Applies to: AXIS C1210-E, AXIS C1211-E, AXIS C1510, AXIS C1511, AXIS C1610-VE, AXIS C8110 and AXIS C8210

- The ability to use ports other than the default port 80 for the video source has been added.

  Applies to: AXIS D1110

- Improved stream handling on slower networks and cameras with high latency when using the camera pairing feature.

  Applies to: AXIS I7010-VE, AXIS I7010-VE SAFETY and AXIS I7020

- Corrected an issue where ONVIF media profiles disappeared when certain capture modes were selected.

  Applies to: AXIS M4308-PLE

- Corrected an issue where PTZ control in double panorama stream did not work.

  Applies to: AXIS M4308-PLE, AXIS M4317-PLVE, AXIS M4318-PLVE, AXIS M4327-P and AXIS M4328-P

- Smoke Alert Analytics

  Applies to: AXIS P1468-XLE, AXIS XFQ1656 and AXIS XPQ1785
  - Corrected parsing of PTZ preset positions and identical view areas.
  - Corrected an issue where predefined view areas were removed by the ACAP.
  - Corrected parameter persistence after upgrade.
  - Corrected motion suppression timeout handling.

- Corrected an issue when a T61 is connected, where analytics should be prioritized over IR, resulting in reduced IR power on channel 4.

  Applies to: AXIS P3747-PLVE and AXIS P3748-PLVE

- Corrected an issue where Privacy mask not working correctly.

  Applies to: AXIS P3248-LVE

- Corrected an issue in the web interface when using the Horizon Straightening feature.
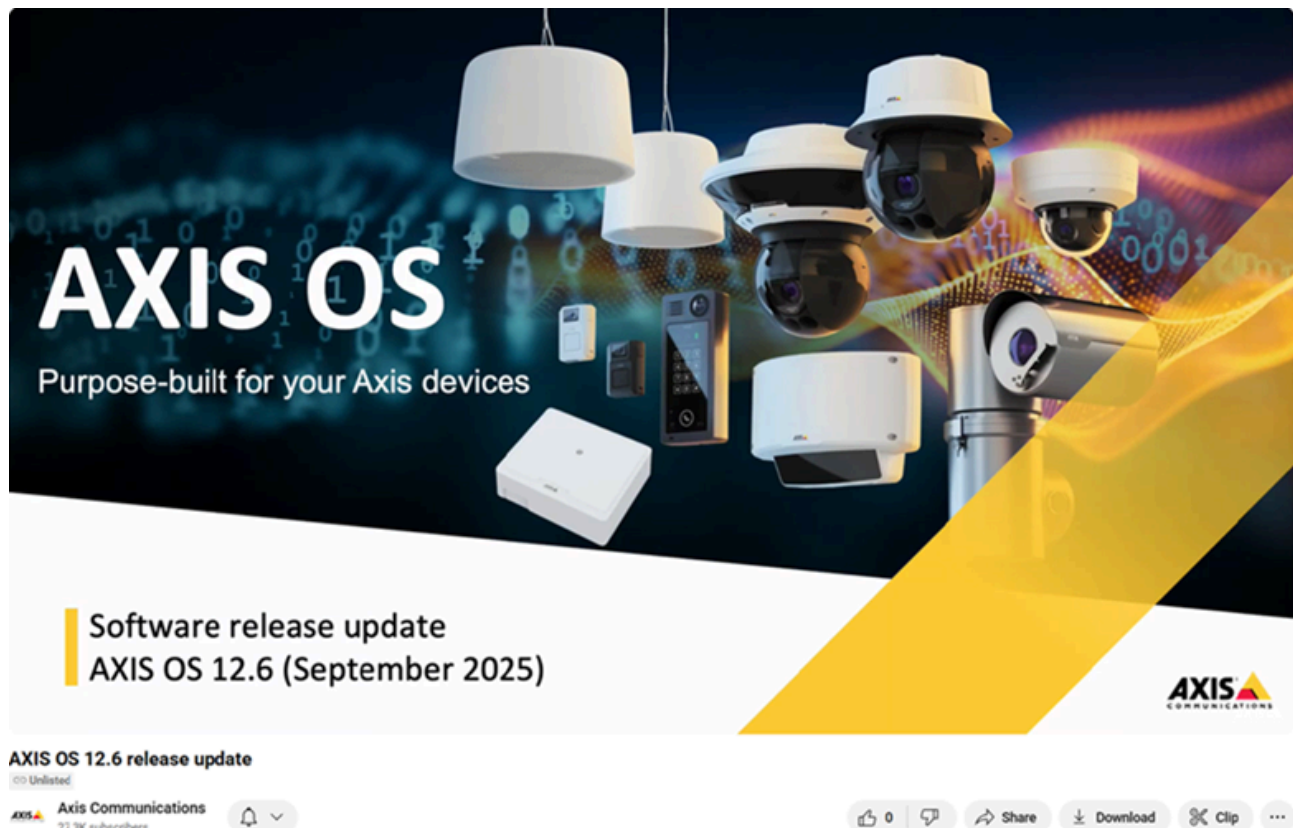
  Applies to: AXIS P3827-PVE

- Corrected an issue where it sometimes takes up to 30 seconds to connect via AMC.

  Applies to: AXIS Q9307-LV and AXIS V5925

AXIS OS 12.6

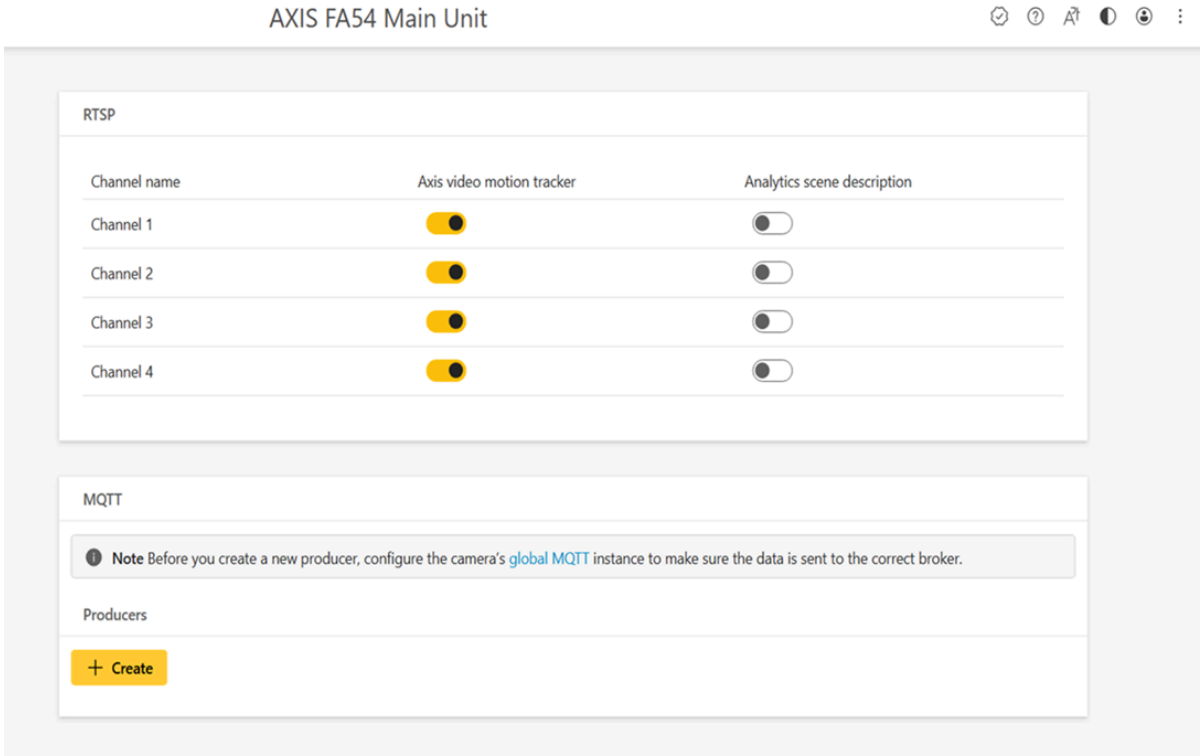Release date: 2025-09-15 – 2025-10-30

Watch the release update *YouTube video* that summarizes the highlights.

Get to know the key features and updates in our *concise 2-page flyer*. This guide explains each feature's functionality and the value it brings to customers.

Features for all products

- Added the enforcement of upgrade paths. More information can be found in *AXIS OS Portal*. This feature is now integrated in the web interface, so in case of failed upgrade attempt, an error message is shown in the logs.
- Added a Metadata protocols configuration under Analytics tab in the web interface.

AXIS FA54 Main Unit

RTSP

Channel name	Axis video motion tracker	Analytics scene description
Channel 1	⬤ (on)	◯ (off)
Channel 2	⬤ (on)	◯ (off)
Channel 3	⬤ (on)	◯ (off)
Channel 4	⬤ (on)	◯ (off)

MQTT

ⓘ **Note** Before you create a new producer, configure the camera's global MQTT instance to make sure the data is sent to the correct broker.

Producers

+ Create

Create MQTT Producer

Key

Select a key ⌄

MQTT topic

Enter topic name

Qos

⦿ 0 (at most once)

◯ 1 (at least once)

◯ 2 (exactly once)

☐ Retain messages

☐ Use mqtt client device topic prefix

Cancel   Add

- Added the audit log in the web interface under Reports and logs.

- Added support for AXIS Scene Metadata to provide a cropped snapshot for each detected object.

- Added support to set custom headers for HTTP-based video streaming cgi.

- Increased the default RTP packet size for RTSP streams to 64000. This will improve performance in many clients. Clients that already use the "Blocksize" header is not affected by this change.

Cybersecurity updates

- Updated cURL to *version 8.14.1*, addressing *CVE-2025-5399*.

- Updated OpenSSL to version 3.0.17, addressing *CVE-2025-4575*.

- Updated Apache to version 2.4.65, addressing:
    - *CVE-2024-42516*
    - *CVE-2024-43204*
    - *CVE-2024-43394*
    - *CVE-2024-47252*
    - *CVE-2025-23048*
    - *CVE-2025-49630*
    - *CVE-2025-49812*
    - *CVE-2025-53020*
    - *CVE-2025-54090*

- Addressed the following CVEs. These CVEs will be externally disclosed on 11 November 2025, more detailed information will follow then. For more information, please visit the *Axis vulnerability management portal*.
    - *CVE-2025-4645*
    - *CVE-2025-5452*
    - *CVE-2025-5454*
    - *CVE-2025-5718*
    - *CVE-2025-6298*
    - *CVE-2025-6571*
    - *CVE-2025-6779*

- Improved TLS handshake performance when keys are stored in TPM.

- Added support to specify explicitly trusted CA certificates for validation of NTS-KE (Network Time Security Key Establishment) server certificates.

- Added support for IEEE 802.1x and 802.1AE MAC Security (MACsec) server support.

    MACsec can be configured from the security tab in the web-interface and allows for complete layer-2 network encryption between the Axis device and network switch.

    Read more in the *AXIS OS Knowledge base*.

    Applies to: AXIS S3008 and AXIS S3008 Mk II

Analytics updates

- Improved the functionality to fail an ACAP application that contains invalid parameter names in manifest.json to install instead of failing to use those parameter at run-time.

- AXIS Object Analytics

    Note that not all products support AXIS Object Analytics. For more information on compatible products and features, visit the *AXIS Object Analytics*.
   - Metadata overlay optimization.

- Improved trigger condition for fisheye cameras.
- Added granularity in timer slider for tailgating.
- General performance updates.
- AXIS Image Health Analytics
  - AXIS Image Health Analytics is added as pre-installed application.

    Applies to: AXIS I8016-LVE

Product specific features

- AXIS Audio Manager Edge

  - Added an API builder in the UI to help building an API request smoothly.

    Applies to: AXIS C1110-E, AXIS C1111-E, AXIS C1210-E, AXIS C1211-E, AXIS C1310-E Mk II, AXIS C1410 Mk II, AXIS C1510, AXIS C1511, AXIS C1610-VE, AXIS C1710, AXIS C8110, AXIS C8210, AXIS D3110 Mk II and AXIS D4200-VE
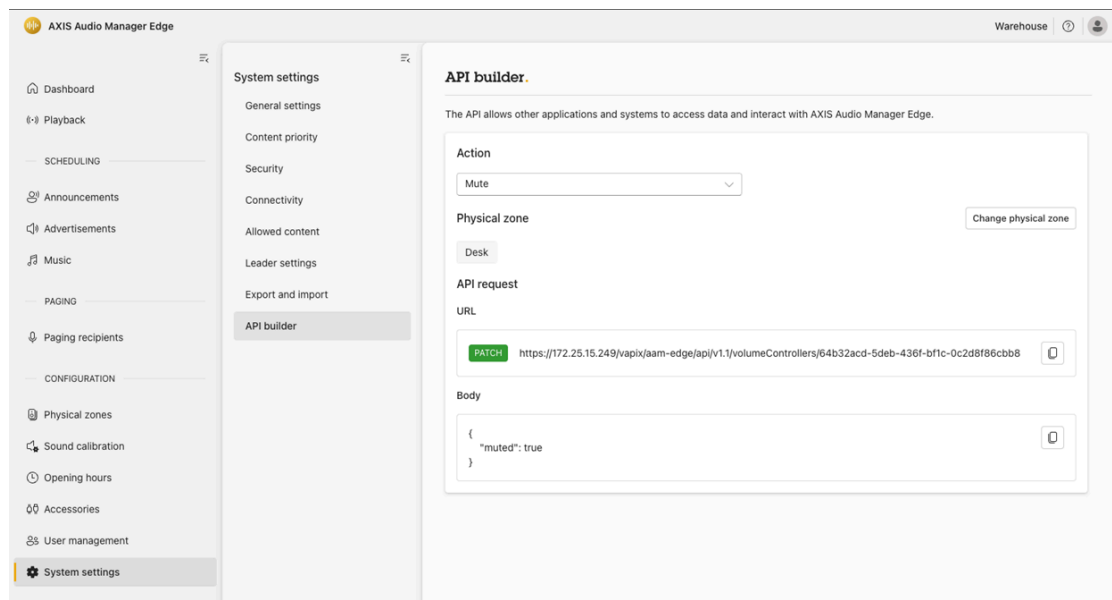
  - Added the possibility to identify a C8310 by activation of a light pattern on the keypad, with a menu option in the accessory list.

    Applies to: AXIS C1110-E, AXIS C1111-E, AXIS C1210-E, AXIS C1211-E, AXIS C1310-E Mk II, AXIS C1410 Mk II, AXIS C1510, AXIS C1511, AXIS C1610-VE, AXIS C1710, AXIS C1720, AXIS C8110, AXIS C8210, AXIS D3110 Mk II and AXIS D4200-VE

  - Added the echo cancelling plugin to the audiomixer API via AudioSource.A0.DynamicProcessing. EchoCancellingEnabled with param.cgi. The audiomixer API should be used for toggling the feature on/off moving forward.

    Applies to: AXIS C1110-E, AXIS C1111-E, AXIS C1210-E, AXIS C1211-E, AXIS C1410 Mk II, AXIS C1510, AXIS C1511, AXIS C1710, AXIS C1720 and AXIS D4200-VE

- Added support for SirenLight Network Pairing, an Edge-to-Edge technology.

  Applies to: AXIS D2122-VE, AXIS D2123-VE, AXIS D2210-VE, AXIS Q1656-DLE, AXIS Q1686-DLE, AXIS P1385/-B/-BE/-E, AXIS P1387/-B/-BE/-LE, AXIS P1388/-B/-BE/-LE, AXIS P1465-LE, AXIS P1465-LE-3, AXIS P1467-LE, AXIS P1468-LE, AXIS P1468-XLE, AXIS P1518-E/-LE, AXIS P3735-PLE, AXIS P3737-PLE, AXIS P3738-PLE, AXIS P4705-PLVE, AXIS P4707-PLVE, AXIS P4708-PLVE, AXIS Q1615/-LE Mk III, AXIS Q1656/-B/-BE/-BLE/-DLE/-LE, AXIS Q1686-DLE, AXIS Q1715,

AXIS Q1728/-LE, AXIS Q1798-LE, AXIS Q1800-LE, AXIS Q1800-LE-3, AXIS Q1805-LE, AXIS Q1806-LE, AXIS Q1808-LE, AXIS Q1809-LE, AXIS Q1809-LE 150 mm, AXIS P3827, AXIS Q3839 and AXIS Q4809

- Improved small filter to reduce false alarms.

  Applies to: AXIS D2110-VE

- Added support for Microphone Network Pairing.

  Applies to: AXIS P1465-LE, AXIS P1465-LE-3, AXIS P1467-LE and AXIS P1468-LE

- Added support for Radar Network Pairing, an Edge-to-Edge technology.

  Applies to: AXIS P3827-PVE

- Enhanced elevation autocalibration to consider cars in the road profile.

  Applies to: AXIS Q1656-DLE and AXIS Q1686-DLE

- Added support for the Wifi dongle LM842 via USB.

  Applies to: AXIS Q6020-E and AXIS Q6300-E

- Changed name to Coughing fit and Screaming voice.

  Applies to: AXIS Q9307-LV

- Added the possibility to change RAID level when swapping disks.

  Applies to: AXIS S3016

- Added support for Straighten image, in the web interface.

  Applies to: AXIS XFQ1656

- Added support for ONVIF profile M.

  Applies to: AXIS XPQ1785

AXIS OS 12.6.108

Release date: 2025-10-30

Important

Please note that these security features were previously enabled in the factory default state when upgrading to previous version of AXIS OS 12.6. It is now disabled due to rare unforeseen issues experienced by some customers.

Corrections

- Both IEEE 802.1X authentication and MACsec server are now disabled in the factory default state. In earlier versions of 12.6, these features were enabled by default and automatically enabled after upgrade.

  When upgrading from any version earlier than 12.6 to 12.6.108, the features remain disabled. When upgrading from earlier versions on 12.6 to 12.6.108, the existing settings are preserved. Read more in the *AXIS OS Knowledge base*.

  Applies to: AXIS S3008 and AXIS S3008 MK II

AXIS OS 12.6.106

Release date: 2025-10-23

Corrections

- Unused network port is disabled when operating without a PTZ camera.

Applies to: AXIS Q6020–E and AXIS Q6300–E

AXIS OS 12.6.104

Release date: 2025-10-16

Corrections

- Corrected an issue with the Orientation Aid Compass.

- Corrected an issue with streaming large RTP packets over TCP.

- Corrected an issue where the first SIP call was not able to receive sound from the device's microphone.

   Applies to: All products with SIP support.

- AXIS Audio Manager Pro: Changed buffer size handling associated with echo cancellation. This will improve the experience of two-way calls.

   Applies to: AXIS C1110-E, AXIS C1111-E, AXIS C1210-E, AXIS C1211-E, AXIS C1310-E Mk II, AXIS C1410 Mk II, AXIS C1510, AXIS C1511, AXIS C1610-VE, AXIS C1710, AXIS C1720, AXIS C6110, AXIS C8110 and AXIS C8210

- Corrected an issue where clock settings were defaulted after an upgrade.

   Applies to: AXIS C1710 and AXIS C1720

AXIS OS 12.6.103

Release date: 2025-10-14

New products

- AXIS Q3839-SPVE

Corrections

- Corrected an issue where ceiling mode produced incorrect image orientation when stitching was disabled..

   Applies to: AXIS Q3839-PVE/-SPVE and AXIS Q4809-PVE

AXIS OS 12.6.97

Release date: 2025-10-02

New products

- AXIS P1475-LE

Corrections

- Corrected an issue where the IR LEDs could not be dimmed below 50%.

   Applies to: All product with IR LED support.

AXIS OS 12.6.94

Release date: 2025-09-29

Corrections

- Corrected an issue with Directional Audio Detection not sending events in rare conditions.

Applies to: AXIS Q6300-E

AXIS OS 12.6.90

Release date: 2025-09-23

Corrections

- Corrected an issue where AXIS License Plate Verifier was not working correctly with cURL version 8.14.1.

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

- Improved media player handling.

  Applies to: AXIS D1110, AXIS S3008 , AXIS S3008 MK II and AXIS S3016

AXIS OS 12.6.87

Release date: 2025-09-23

Corrections

- Improved POE behavior.

  Applies to: AXIS C1710 and AXIS C1720

- Corrected an issue with the offline manual.

  Applies to: AXIS W401

AXIS OS 12.6.86

Release date: 2025-09-16

Corrections

- Corrected an issue where the copy functionality for the pairing code under Auto Provisioning, was not working correctly.

  Applies to: AXIS A8207-VE Mk II, AXIS I7010-VE, AXIS I7020, AXIS I8016-LVE, AXIS I8116-E and AXIS I8307-VE

AXIS OS 12.6.85

Release date: 2025-09-15

New products

- AXIS D6310

Corrections

- Web Interface
    - Corrected an issue where an IPv6 DNS address is not allowed.
    - Corrected an issue with wrong validity for client-server certificate, displayed.
- AXIS Camera Station
    - Corrected an issue where ACS failed to import clips.
- Corrected an issue where AXIS TU8005 blocked switch port at restart with certain switch configurations.
- Corrected an issue where foreign characters was removed in the overlay.
- Corrected an issue with SNMP configuration when upgrading.

- Corrected an issue where capital letters were not supported in account usernames.

- Corrected an issue with reading some parameters in ax_parameter API.

- Corrected an issue where the character '=' was not allowed in OIDC metadata URL.

- Corrected an issue where the GetSegment D-Bus reply was zero for recordings.

- An ACAP application that contains invalid parameter names in manifest.json will fail to install instead of failing to use those parameter at run-time.

- Corrected an issue where zoom modifiers (#z and #Z) was not working correctly with upload image and video upload to ftp or http.

- Corrected an issue where the wrong exit code was returned in the case when control.cgi was used to start a running application, or to stop a not-running application.

- Corrected an issue preventing Operators to use the Wiper.

   Applies to: AXIS Q1656-LE

- Corrected an issue with OIS settings not saving after power cycle.

   Applies to: AXIS Q1806-LE

- Corrected an issue where image.cgi sometimes returned a black image when no live video was streamed from the device.

   Applies to: AXIS Q1972-E

- Corrected an issue where the device could not pan due to built up ice in cold weather conditions.

   Applies to: AXIS Q6225-LE

AXIS OS 12.5

Release date: 2025-06-13 – 2025-08-18

NOTICE
- **AXIS Q6300-E**: Directional Audio Detection requires upcoming AXIS OS 12.6 release.

Watch the release update *YouTube video* that summarizes the highlights.

Get to know the key features and updates in our *concise 2-page flyer*. This guide explains each feature's functionality and the value it brings to customers.

Features for all products

- During an AXIS OS upgrade, if an installed ACAP application is incompatible with the new version, the device will roll back to the previous AXIS OS version. For example, upgrading from AXIS OS 11.11 to 12.5 will trigger a rollback if an ACAP application requires root user access. Previously, such applications would be removed, resulting in lost settings after the upgrade.

- Automatic flushing of the output buffer for the ACAP applications using FCGIs.

- Both the device system-on-chip (SOC) and architecture are displayed in "Install an app", in the web interface.

- Firewall now has a new look and feel in the web interface. Enabling easy configuration of filters for MAC addresses, IP and port range, packet types and limiting the number of new connections.

- The Power settings API has been updated with a new "powerState" value in the PowerStatus object, indicating whether the power supplied by the power sourcing equipment supports full or limited device functionality.

- A new "Type" option has been added to Remote Syslog configuration (System -> Logs -> Remote system log), allowing users to choose between sending all logs ("All") or only audit logs ("Audit").

Cybersecurity updates

- A new audit log has been added. It will track cybersecurity relevant device events. Right now, only account changes are tracked, but we'll add more in future releases. The audit log is persistent and survives power cycles and restarts.

  More information will be added to the AXIS OS Knowledge Base soon.

- Updated Apache to version 2.4.63 to improve cybersecurity.

- Updated libarchive, addressing *CVE-2025-1632*, *CVE-2025-25724* and *CVE-2024-57970*.

- Updated FFMPEG, addressing *CVE-2025-1816*, *CVE-2025-0518* and *CVE-2025-22919*.

- Addressed *CVE-2025-3892* and *CVE-2025-30027*. These CVEs will be externally disclosed on 12 August 2025, more detailed information will follow then. For more information, please visit the *Axis vulnerability management portal*.

Analytics updates

- AXIS Audio Analytics

  Applies to: AXIS D3110 MK II, AXIS D4200-VE ,AXIS M3086-V Mic, AXIS P1465-LE, AXIS P1467-LE, AXIS P1468-LE, AXIS P3267-LVE-Mic, AXIS P9117-PV, AXIS Q1656/-B/-DLE, AXIS Q1728, AXIS Q1805-LE, AXIS Q1806-LE, AXIS Q3556-LVE and AXIS Q3558-LVE

  – Sound pressure level: Measures how loud a sound is in decibels.

  – New audio classification: "speech"

- AXIS Image Health Analytics

  – Improved stability and memory optimization.

  – For products with PTZ support, the application will be stopped while the device is using PTZ functionality.

- AXIS License Plate Verifier

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

  – Added support for PTZ cameras: AXIS P5676-LE, AXIS Q6135-LE, AXIS Q6225-LE, AXIS Q6315-LE, AXIS Q6318-LE, AXIS Q6355-LE and AXIS Q6358-LE.

  – Pairing is supported for up to two preset positions.

  – Added support for AXIS A9210.

  – Corridor mode has been added to supported AXIS ARTPEC-7, AXIS ARTPEC-8, and AXIS ARTPEC-9 products.

  – License plate recognition has been improved for various regions, including Dubai, New Zealand, Latvia, and Canada.

  – The event retention behavior has been changed when no SD card is present, affecting full frame, downsized frame, and vehicle crop selections.

  – Corrected an issue with the maximum retained events on SD cards.

  – Corrected an issue with umlaut display on text overlays.

  – Corrected an issue with the Area of Interest, when there are too many polygons are set in the upper part of the zone.

  – Corrected an issue with the Test button under Push Event menu related to VAPIX events.

- AXIS Object Analytics

  Note that not all products support AXIS Object Analytics. For more information on compatible products and features, visit the *AXIS Object Analytics*.

  – Metadata Overlay optimization.

  – Updated detection algorithm for fisheye cameras.

  – General update performance.

- AXIS Scene Metadata

  – Added support for bag as an attribute to the human object class in the ONVIF RTSP stream.

Product specific features

- Hardware modifications have been made to proactively prepare for the new NDAA 23 regulations that will be required in 2028. You will find more information about *NDAA Compliance* on axis.com. In AXIS OS knowledge base, you will find more about the *hardware changes.* The hardware ID can be found in Plain config > Properties > System > Hardware ID.
  - Products with Hardware ID A45 only support active track 12.5.56 and later.

    Applies to: AXIS Q1728

- AXIS Audio Manager Edge

  Applies to: AXIS C1110-E, AXIS C1111-E, AXIS C1210-E, AXIS C1211-E, AXIS C1510, AXIS C1511, AXIS C1610-VE, AXIS C1710, AXIS C1720, AXIS C8110, AXIS C8210 and AXIS D4200-VE
  - Added support to assign the C8310 to either music source control and/or music volume control.
  - Added the possibility to turn the C8310 keypad lock on and off from the accessories options menu.
  - Added possibility to export and import configuration. Also possible to create a new site from a configuration export file.
  - Added audioSessions to the AAM Edge API. This is used to get a list of the currently configured paging recipients.
  - Music volume scale has been adjusted to make it easier finding the wanted volume. Important: No changes in perceived volume by updating software, only the scale will change.

- AXIS Sensor Metrics is added as pre-installed application.

  Applies to: AXIS F9104-B MK II, AXIS F9111-R MK II , AXIS F9114-B MK II and AXIS F9114-R MK II

- The buttons on the volume controller are now displayed as virtual inputs in the device web configuration of the network speaker where the volume controller is connected. Events can be created in the device web configuration and will happen upon button press.

  Applies to: AXIS C1110-E, AXIS C1111-E, AXIS C1210-E, AXIS C1211-E, AXIS C1510, AXIS C1511, AXIS C1610-VE, AXIS C8110 and AXIS C8210

- Added the possibility to choose the following languages as display language in the Network Paging Console: Chinese (simplified Chinese), Chinese-Taiwan, Japanese, Korean, Thai, Vietnamese.

  Added the possibility to rename the Home page on the device.

  Applies to: AXIS C6110

- Added support for AXIS D6210 Air Quality Sensor.

  Applies to: AXIS M1055-L, AXIS M1075-L, AXIS M2035-LE, AXIS M2036-LE, AXIS M3086-V-Mic, AXIS M3215-LVE, AXIS M3216-LVE, AXIS M3125-LVE, AXIS M3127-LVE, AXIS M3128-LVE, AXIS M4308-PLE, AXIS P1245 Mk II, AXIS P1265 Mk II, AXIS P1275 Mk II, AXIS P3267-LVE-Mic, AXIS P3735-PLE, AXIS P3737-PLE, AXIS P3738-PLE, AXIS P4705-PLVE, AXIS P4707-PLVE, AXIS P4708-PLVE, AXIS M5526-E and AXIS Q9307-LV

- Scene Matching Assistant provides visual guidance for optimal camera placement. Two bounding boxes are displayed on the Group View and Camera 1 (wide view) channels, indicating the coverage ranges of the Camera 2 (close-up view) channel in relation to the Camera 1 channel. This allows the installer to easily adjust the mounting position of the camera for ideal scene capture.

  Applies to: AXIS P1518-LE

- Added support for Radar Network Pairing, an Edge-to-Edge technology.

  Applies to: AXIS P3827-PVE

- Added support for AXIS TU8005.

Applies to: AXIS P5654-E, AXIS P5654-E MK II, AXIS P5676-LE, AXIS Q6074-E, AXIS Q6075-E, AXIS Q6078-E, AXIS Q6135-LE, AXIS Q6225-LE, AXIS Q6315-LE, AXIS Q6318-LE and D201-S XPT Q6075

- Added the possibility to configure scene annotations in the new web interface.

  Applies to: AXIS P5654-E, AXIS P5654-E MK II, AXIS P5655-E, AXIS Q6074/-E, AXIS Q6075/-E/-S/-SE, AXIS Q6078-E, AXIS Q6135-LE, AXIS Q6225-LE, AXIS Q6315-LE, AXIS Q6318-LE, D201-S XPT Q6075 and EXCAM XPT Q6075

- Added Cold climate mode under Power profiles in the web interface.

  Applies to: AXIS Q6225-LE

- Leveling assistant with new overlay feature has been added to the web interface.

  Applies to: AXIS Q1615, AXIS Q1615 MK III/-LE MK III, AXIS Q1656/-B/-BE/-BLE/-DLE/-LE, AXIS Q1798-LE, AXIS Q1800-LE, AXIS Q1800-LE-3, AXIS Q1805-LE, AXIS Q1806-LE, AXIS Q1808-LE, AXIS Q1809-LE, AXIS Q2101-TE, AXIS Q2111-E, AXIS Q2112-E, AXIS Q3536-LVE, AXIS Q3538-LVE/-SLVE, AXIS Q3546-LVE, AXIS Q3548-LVE, AXIS Q3556-LVE, AXIS Q3558-LVE, AXIS XFQ1656, ExCam XF Q1785 and XF40-Q1785

- Added the possibility to enable the PTZ legacy mode for optics control and PTZ presets.

  Applies to: AXIS Q1800-LE, AXIS Q1800-LE-3, AXIS Q1805-LE, AXIS Q1806-LE, AXIS Q1808-LE and AXIS Q1809-LE

- Added zoom synchronization as part of the web interface, also added VAPIX API to enable and disable Zoom sync.

  Applies to: AXIS Q8752-E and AXIS Q8752-E MK II

AXIS OS 12.5.73

Release date: 2025-08-18

Corrections

- Corrected an issue with HTTP notifications failing due to permission errors.

AXIS OS 12.5.68

Release date: 2025-07-10

New products

- AXIS P1518-E

Corrections

- Corrected an issue where power negotiation in some rare occasions did not work properly in combination with some switches.
- Corrected an issue where Axis Face Detector ACAP printed some error messages in the log.

  Applies to: AXIS M4216-V/-LV

AXIS OS 12.5.67

Release date: 2025-07-14

Product specific features

- Added support for Link Layer Discovery Protocol (LLDP) during Power over Ethernet (PoE) negotiation and subscription to updated power information from connected power supply equipment. This improves

compatibility with both managed and unmanaged switches that use LLDP for advertising network policies.

Applies to: AXIS C1710 and AXIS C1720

AXIS OS 12.5.62

Release date: 2025-06-26

New products

- AXIS Q1728-LE

Corrections

- Corrected an issue where the wiper could not be activated via events.

  Applies to: AXIS P1385/-B/-BE/-LE, AXIS P1387/-B/-BE/-LE, AXIS P1388/-B/-BE/-LE, AXIS Q1615 Mk III, AXIS Q1615-LE Mk III, AXIS Q1715 and AXIS Q1728

- Corrected an issue with loosing the zoom ability after some power cycles.

  Applies to: AXIS Q6318-LE

AXIS OS 12.5.59

Release date: 2025-06-24

Corrections

- Improved stability.

  Applies to: AXIS I8307-VE

AXIS OS 12.5.58

Release date: 2025-06-17

Corrections

- Corrected an issue in AXIS Sensor Metrics.

  Applies to: AXIS F9104-B, AXIS F9104-B MK II, AXIS F9111, AXIS F9111-R Mk II, AXIS F9114/-B, AXIS F9114-B Mk II and AXIS F9114-R Mk II

AXIS OS 12.5.56

Release date: 2025-06-13

New products

- AXIS P3275-LV/-LVE
- AXIS P3277-LV/-LVE
- AXIS P3278-LV/-LVE
- AXIS P3285-LV/-LVE
- AXIS P3287-LV/-LVE
- AXIS P3288-LV/-LVE
- AXIS Q3839-PVE
- AXIS Q4809-PVE

Corrections

- Corrected a problem where the Stitching setting was not displayed in the web interface.

- Corrected an issue where legacy ACAP applications with a post-install script failed to be restored at an upgrade.

- Corrected an issue that caused image corruption when sending files to FTP servers.

- Corrected an issue where AXIS Object Analytics stopped working in rare cases.

- Corrected an issue with recording-id and recording files containing UTC time in name when local time was expected.

- Corrected an issue where PTZ access rights were not correctly assigned when using OAuth 2.0.

- Corrected an issue in recording-indexer caused by corrupt database version.

- Corrected an issue where remounting an encrypted SD card could cause an illegal state.

- Corrected an issue where SMTP DATA messages were incorrectly terminated, causing compatibility issues with strict SMTP servers like Postfix.

- Corrected an issue with delay in the audio streaming when using line-in paging source in AXIS Audio Manager Edge.

  Applies to: AXIS C1110-E, AXIS C1111-E, AXIS C1210-E, AXIS C1211-E, AXIS C1510, AXIS C1511, AXIS C1610-VE, AXIS C8110 and AXIS C8210

- Corrected an issue where the serial port started on 0 instead of 1.

  Applies to: AXIS F9111-R MK II MAIN UNIT, AXIS F9114-B MK II MAIN UNIT and AXIS F9114-R MK II MAIN UNIT

- Corrected an issue where the device would fail to boot in high temperature environments.

  Applies to: AXIS M1135 MK II, AXIS M1135-E MK II, AXIS M1137 MK II and AXIS M1137-E MK II

- Correct aspect ratio for fisheye viewareas which impacts coordinate transformations for bounding boxes.

  Applies to: AXIS M4317-PLR/-PLVE, AXIS M4318-PLR/-PLVE, AXIS M4327-P and AXIS M4328-P

- Corrected an issue with sending metadata events together along with Best snapshot.

  Applies to: AXIS Q1728

- Corrected an issue with video latency in the web interface.

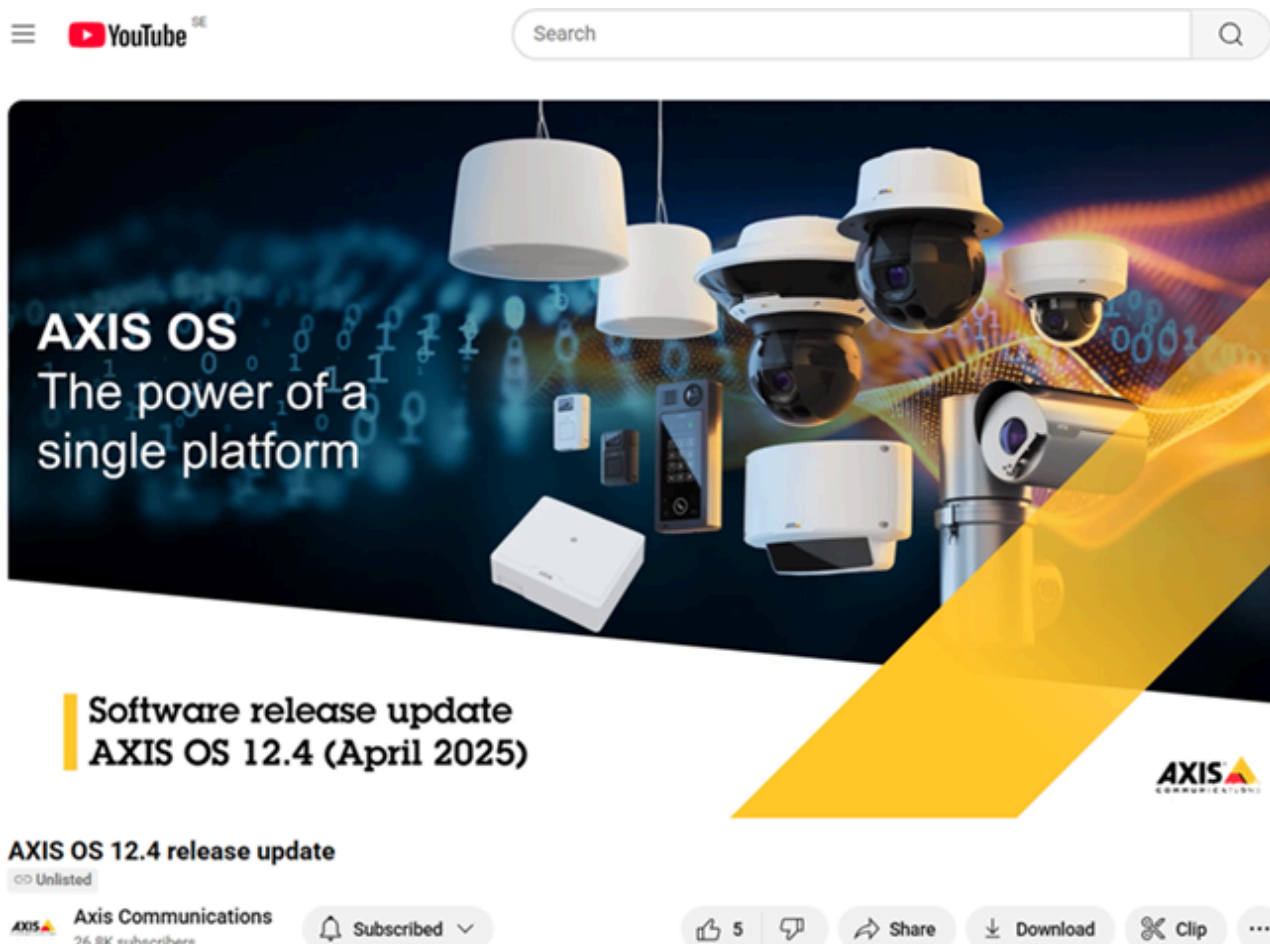 Applies to: AXIS Q6225-LE and AXIS Q6318-LE

AXIS OS 12.4

Release date: 2025-04-14 – 2025-06-09

NOTICE

- **AXIS Audio Manager Pro**: AXIS OS 12.4 requires AXIS Audio Manager Pro version 4.7.55 or later to ensure the compatibility.

  Applies to: AXIS C1110-E, AXIS C1210-E, AXIS C1310-E Mk II, AXIS C1410 MK II, AXIS C1610-VE, AXIS C8110 and AXIS C8210

Watch the release update *YouTube video* that summarizes the highlights.

Get to know the key features and updates in our *concise 2-page flyer*. This guide explains each feature's functionality and the value it brings to customers.

Features for all products

- Added the new Export-import device configuration feature to simplify and streamline device setup. This feature is in the BETA stage and not enabled by default. To use it, navigate to Plain Config > Feature Flags and toggle the "Device Configuration API export import". Then find it under the Maintenance page.

- Added the option to show hidden plain config parameters in the web interface.

- Added support for rotatable text overlays.

- Updated time zone database version to 2025a.

Cybersecurity updates

- Added support for OAuth 2.0 RFC6749 Client Credential Flow for token-based machine-to-machine communication that provides better overall security as traditional digest/basic authentication schemes.

- Added support for Crypto-Policy setting to choose between standard OpenSSL cipher suite or FIPS 140-2 cipher suites. The Crypto-Policy setting can be adjusted from the Security tab in the web-interface or through VAPIX API.

  Note that currently, the FIPS 140 crypto policy only applies to the built-in HTTPS server, 802.1x wired connections and MACsec. More applications will be supported in future releases.

- Updated OpenSSL to version 3.0.16 to increase overall cybersecurity level.

- Updated OpenSSH to version 9.9p2, addressing *CVE-2025-26466*.

- Updated Redis to version 7.2.7, addressing *CVE-2024-46981* and *CVE-2024-51741*.

- Addressed *CVE-2025-0325* and *CVE-2025-0358*. These CVEs will be externally disclosed on 2 June 2025, more detailed information will follow then. For more information, please visit the *Axis vulnerability management portal*.

- Updated libmodbus to version 3.1.11, addressing *CVE-2024-10918*.

  Applies to: AXIS F9104/-B, AXIS F9111 and AXIS F9114-B

Analytics updates

- AXIS Object Analytics

  Note that not all products support AXIS Object Analytics. Note that not all products support AXIS Object Analytics. For more information on compatible products and features, visit the *AXIS Object Analytics*.
  - Added Scenario unique Id has been reverted to previous version.

  - Corrected an issue with displaying visual confirmation overlay on certain aspect ratio.

  - Corrected an issue with not being able to finish scenarios.

  - Corrected issues with false alarms by AXIS Object Analytics during PTZ movements.

    Applies to: All products with PTZ support

- AXIS Image Health Analytics
  - Added support for ONVIF profile T.

  - Added support to provide ONVIF profile T events.

  - AXIS Image Health Analytics is added as pre-installed application.

    Applies to: AXIS M4308-PLE, AXIS M4317-PLR/-PLVE, AXIS M4318-PLR/-PLVE, AXIS M4327-P, AXIS M4328-P, AXIS P9117-PV , AXIS Q1728 and AXIS XFQ1656

- AXIS Live Privacy Shield
  - AXIS Live Privacy Shield is now pre-installed.

    Applies to: AXIS Q1728

Product specific features

- Added support for B-frames in the zipstream storage profiles for AV1 format, allowing for more efficient video compression.

  Applies to: All products based on

- Added notification for improper top cover installation and removal, in the web interface.

  Applies to: All products with casing open detection

- Web Interface
  - Added support for Straighten image.

    Applies to: M1135 Mk II/-E Mk II, M1137 Mk II/-E Mk II, AXIS P1385-E/-LE, AXIS P1465-LE/-3, AXIS P1467-LE, AXIS P1468-LE, AXIS Q1615-LE-Mk III, AXIS Q1656/-B/-BE/-BLE/-LE, AXIS Q1656-DLE, AXIS Q1686-DLE, AXIS Q1715, AXIS Q1728, AXIS Q1798-LE, AXIS Q1800-LE, AXIS Q1800-LE-3, AXIS Q1805-LE, AXIS Q1806-LE and AXIS Q1808-LE

  - Added logs to Entry list.

    Applies to: AXIS A8207-VE Mk II, AXIS I7010-VE and AXIS I8116-E

  - Added support for heater control.

Applies to: AXIS M4318-PLR/-PLVE

- Added support for locking and unlocking button press on C8310. The configuration of the feature is done in the device configuration page of the network speaker where the volume controller is connected.

  Applies to: AXIS C1110-E, AXIS C1111-E, AXIS C1210-E, AXIS C1211-E, AXIS C1510, AXIS C1511, AXIS C1610-VE, AXIS C8110, AXIS C8210 and AXIS C8310

- Added an event to show the current state of the physical microphone which makes it possible to add as rule condition in device web configuration.

  Applies to: AXIS C1110-E, AXIS C1111-E, AXIS C1210-E, AXIS C1211-E, AXIS C1310-E Mk II, AXIS C1510, AXIS C1410 MK II, AXIS C1511 and AXIS C1610-VE

- Added touch screen support over USB.

  Applies to: AXIS D1110

- Added support for AXIS D6210 Air Quality Sensor.

  Applies to: D4100-VE Mk II, AXIS M3085-V, AXIS M3086-V, AXIS M3088-V, AXIS M4216-LV, AXIS M4216-V, AXIS M4215-LV/-V, AXIS M4218-LV/-V, AXIS M4317-PLR/-PLVE, AXIS M4318-PLR/-PLVE, AXIS M4327-P, AXIS M4328-P, AXIS P3265-LV/-LVE/-V, AXIS P3267-LV/-LVE, AXIS P3268-LV/-LVE/-SLVE

- Added support for new 4K sensor units: AXIS F2108 and AXIS F4108.

  Applies to: AXIS F9104-B, AXIS F9104-B Mk II, AXIS F9111, AXIS F9111 Mk II, AXIS F9114/-B and AXIS F9114 Mk II/-B Mk II

- Hardware modifications have been made to proactively prepare for the new NDAA 23 regulations that will be required in 2028. You will find more information about *NDAA Compliance* on axis.com. In AXIS OS knowledge base, you will find more about the *hardware changes*. The hardware ID can be found in Plain config > Properties > System > Hardware ID.
  - Products with Hardware IDs A1D and A1E only support active track 12.4.59 and later, as well as LTS 2024 version 11.11.148 and later, and LTS 2022 version 10.12.280 and later.

    Applies to: AXIS M7116 and AXIS P7316

- Added autofocus option to on-screen controls.

  Applies to: AXIS Q9307-LV

AXIS OS 12.4.71

Release date: 2025-06-09

New products

- AXIS Q6020-E
- AXIS Q6300-E

AXIS OS 12.4.68

Release date: 2025-05-14

New products

- AXIS Q3546-LVE
- AXIS Q3548-LVE
- AXIS Q3556-LVE
- AXIS Q3558-LVE

Corrections

- Axis Live Privacy Shield: Corrected an issue causing incorrect object masking beyond human detection and imprecise bounding box placement at longer distances.Applies to: AXIS Q1728

AXIS OS 12.4.67

Release date: 2025-06-05

New products

- AXIS D3110 Mk II

AXIS OS 12.4.65

Release date: 2025-06-05

New products

- AXIS C1710
- AXIS C1720

AXIS OS 12.4.64

Release date: 2025-05-05

Corrections

- Corrected issues with the Traffic Assistance feature, including incorrect display of current settings after upgrade and unexpected errors when editing values multiple times.

  Applies to: AXIS P1518-LE, AXIS Q1656/-B/-BE/-BLE/-DLE/-LE, AXIS Q1728, AXIS Q1800-LE, AXIS Q1800-LE-3, AXIS Q1805-LE, AXIS Q1806-LE and AXIS Q1808-LE

AXIS OS 12.4.60

Release date: 2025-04-23

New products

- AXIS Q6355-LE
- AXIS Q6358-LE

Corrections

- Corrected an issue with disabling privacy masks.

  Applies to: AXIS Q1728

AXIS OS 12.4.59

Release date: 2025-04-14

New products

- AXIS D4100-VE Mk II
- AXIS D4200-VE
- AXIS I8307-VE
- AXIS M4225-LVE
- AXIS M4227-LVE

- AXIS M4228-LVE

Corrections

- AXIS Sensor Metrics Dashboard

  Applies to: AXIS F9104-B, AXIS F9111, AXIS F9114, AXIS F9114-B, AXIS F9104-B Mk II, AXIS F9111-R Mk II and AXIS F9114-B/-R Mk II
    - Corrected an issue with displaying outdated value in "Dashboard" when modbus sensor is not responding.
    - Corrected an issue with incorrect response when sample time is out of range.

- Improved web interface reliability when using OSDI zones.

- Corrected an issue where the RTSPS certificate was changed after a standard software upgrade.

- Corrected an issue where change to HTTPS-only through plain-config did not take effect immediately.

- Corrected an issue with the disk event triggers where they were not triggering again after restarting of the device.

- Corrected an issue where audio stopped working when using transmit.cgi and a content length of zero.

- Added the possibility to add a custom subject alternative name (SAN) during the CSR-generation in the web interface.

- Corrected an issue where a specific combination of properties in an application manifest could lead to installation of the application crashing and not being possible to remove from the device without performing a reboot.

- Updated the behavior of the front LED so that it no longer lights up during product start-up and that the color of the LED is according to the pre-defined events for SIP, live stream active and recording.

  Applies to: AXIS C1310-E MK II

- Improved radar autotracking performance in unstable network connectivity.

  Applies to: AXIS D2110-VE, AXIS D2210-VE and AXIS Q1656-DLE

- Corrected an issue that prevented Create Scenario functionality from working correctly.

  Applies to: AXIS M3088-V

- Corrected an issue preventing PTZ from functioning after a restart when IR is enabled.

  Applies to: AXIS Q6315-LE and AXIS Q6318-LE

- Corrected an issue that occurred while parsing configuration files.

  Applies to: AXIS Q3515-LVE

- Corrected an issue where shock detected event was triggered when IR-cut filter was turned on/off.
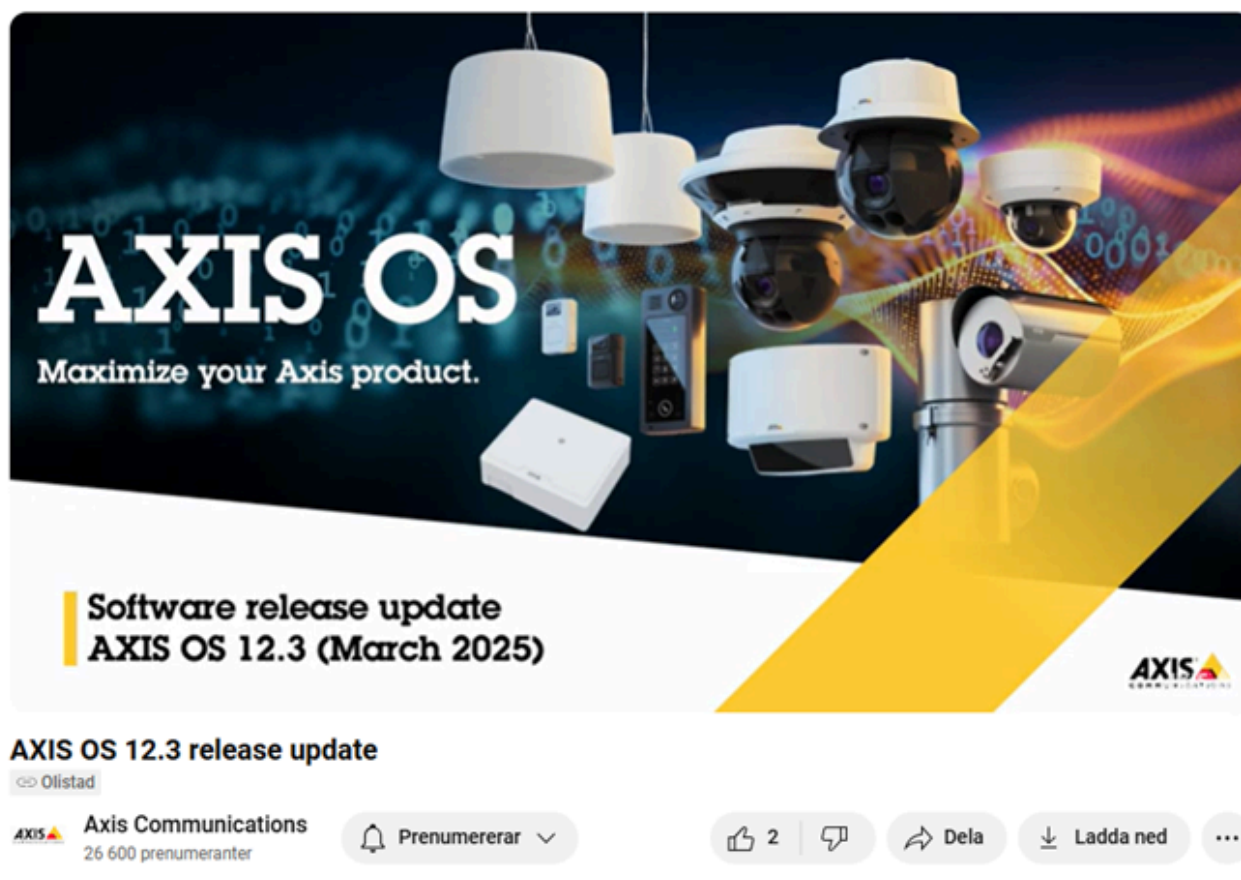
  Applies to: AXIS Q1805-LE and AXIS Q1806-LE

- Corrected an issue in the recording list so that it now displays the full name in a tooltip when hovered over.

  Applies to: AXIS S3008/Mk II and AXIS S3016

AXIS OS 12.3

Release date: 2025-02-24 – 2025-03-12

Watch the release update *YouTube video* that summarizes the highlights.

Get to know the key features and updates in our *concise 2-page flyer*. This guide explains each feature's functionality and the value it brings to customers.

Features for all products

- Updated the End User License Agreement.

- IPv6 is enabled by default, including IPv6 Link-Local Address, DHCPv6 and Router Advertisement.

- The validation for different geolocations formats has been improved.

- The following APIs in Device Configuration API, are no longer in beta, meaning they are now stable and ready for production use.
    - Certificate
    - Firewall
    - LLDP
    - SNMP
    - Virtualhost/OIDC

- Added Time API to Device Configuration API, as beta.

- Improved web interface reliability to ensure accessibility during API disruptions.

- Additional information is provided in the web interface dialogs for rollback, restart, and restore actions, informing users about the consequences of these operations.

- Updated behavior in the web interface when viewing systemlog, accesslog and server report. They will no longer open a new window and instead be presented inside the web interface.
- Added support in the web interface to use FQDN for SNMP Trap address

Cybersecurity updates

- Addressed *CVE-2024-47262* and *CVE-2024-47260*. These CVEs will be externally disclosed on 4 March 2025, more detailed information will follow then. For more information, please visit the *Axis vulnerability management portal.*

- Addressed *CVE-2024-47261* and *CVE-2025-0361*. These CVEs will be externally disclosed on 8 April 2025, more detailed information will follow then. For more information, please visit the *Axis vulnerability management portal.*

- Addressed *CVE-2025-0324*. This CVE will be externally disclosed on 2 June 2025, more detailed information will follow then. For more information, please visit the *Axis vulnerability management portal.*

- Updated cURL to version 8.11.0 to address *CVE-2024-9681* and version 8.11.1 to improve overall cybersecurity.

Analytics updates

- AXIS Object Analytics

  Note that not all products support AXIS Object Analytics. Note that not all products support AXIS Object Analytics. For more information on compatible products and features, visit the *AXIS Object Analytics.*
  - Removed the maximum time limit for "Time in area", allowing for unlimited duration settings.

  - Added the ability to copy the scenario ID in the web interface.
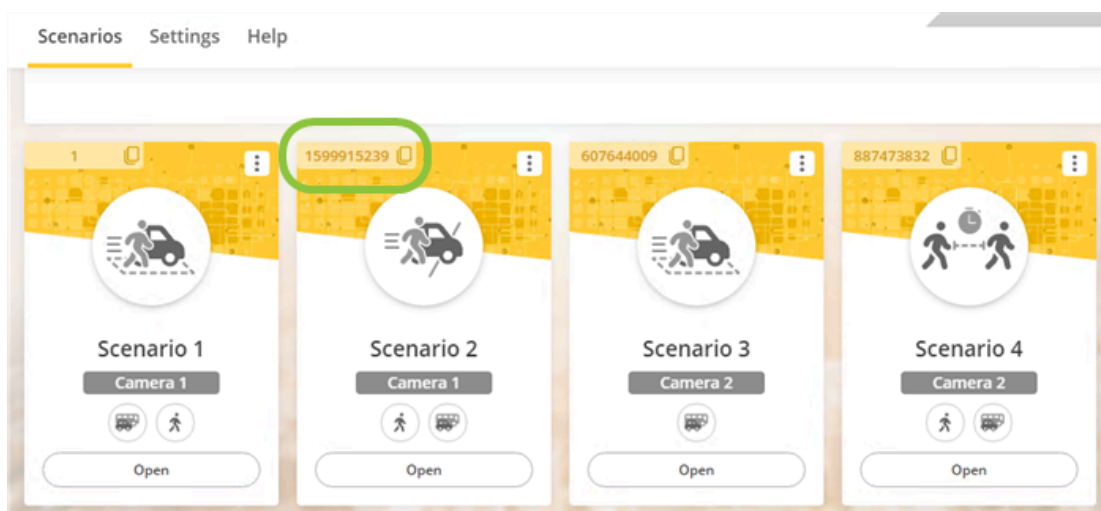
- AXIS License Plate Verifier

  Applies to: AXIS P1465-LE-3, AXIS P3265-LVE-3 and AXIS Q1800-LE-3
  - Added the ability to disable VAPIX events.

  - Added SD card status for heartbeat event.

  - Improved handling of SD card storage. If, for any reason, the SD card is unmounted, full or inaccessible, AXIS License Plate Verifier will revert to the camera's memory until the SD card is available again.

  - Resolved an issue related to HTTPS when integrated with AXIS A91xx I/O Relay Modules, if both the relay module and the camera are set to HTTPS.

  - Improved data caching from older versions.

  - Corrected an issue with 2N integration and direction status events.

- AXIS Scene Metadata

  Applies to: All products with AXIS Scene Metadata support.
  - Reduced frequency of empty frames sent when no objects are detected, from approximately 10 times per second to once every 2 seconds. Affects both the ONVIF producer "Analytics Scene Description" and the message broker topic "com.axis.analytics_scene_description.v0.beta"

Product specific features

- Hardware modifications have been made to proactively prepare for the new NDAA 23 regulations that will be required in 2028. You will find more information about *NDAA Compliance* on axis.com. In AXIS OS knowledge base, you will find more about the *hardware changes*. The hardware ID can be found in Plain config > Properties > System > Hardware ID.
  - Products with Hardware ID A16, A17 and A18 only support upcoming active track 12.3.56 and later, as well as LTS 2024 version 11.11.135 and later, and LTS 2022 version 10.12.291 and later.

    Applies to: AXIS M5074, AXIS M5075 and M5075-G

- AXIS Audio Manager Edge user interface has been redesigned for improved usability and appearance.

  Applies to: AXIS C1110-E, AXISC1111-E, AXIS C1210-E, AXIS C1211-E, AXIS C1510, AXIS C1511, AXIS C1610-VE, AXIS C8110 and AXIS C8210

- AXIS Sensor Metrics Dashboard

  Applies to: AXIS F9111 and AXIS F9114/-B
  - Added the ability to edit and configure the dashboard.

  - Corrected an issue with displaying the wrong value in the column > Time left.

- Added the possibility to turn of the call button from ending calls.

  Applies to: AXIS I7010-VE/Safety , AXIS I7020, AXIS I8016-LVE and AXIS I8116-E

- Added support for HTTPS and LTS certificates when connection to reader.

  Applies to: AXIS I7010-VE/Safety and AXIS I7020

- RTSPS support is added.

  Applies to: AXIS P1245 Mk II, AXIS P1265 Mk II and AXIS P1275 Mk II

- Added unknown object filter which hides all tracks that are not classified as "human" or "vehicle"

  Applies to: AXIS D2110-VE, AXIS D2210-VE, AXISQ1656-DLE and AXIS Q1686-DLE

- AXIS Image Health Analytics is added as pre-installed application

  Applies to: AXIS Q1686-DLE

- Vehicle bounding box coordinates is added to LicensePlate event.

  Applies to: AXIS Q1686-DLE

- Added support for AXIS TQ1815 and AXIS TQ1819.

  Applies to: AXIS P1385/-B, AXIS P1387/-B, AXIS P1388/-B, AXIS Q1615/-LE Mk III, AXIS Q1656/-B and AXIS Q1715

- Added the ability to reset pan, tilt and roll motors to factory defaulted positions, in the web interface under Maintenance > Troubleshoot.

  Applies to: AXIS Q3626-VE, AXIS Q3628-VE and AXIS Q3819-PVE

- SMB server support has been added.

Applies to: AXIS S3016

AXIS OS 12.3.66

Release date: 2025-03-12

Corrections

- Corrected an issue where it was not possible to upgrade.

  Applies to: AXIS S3008, AXIS S3008 MK II and AXIS S3016

AXIS OS 12.3.64

Release date: 2025-03-05

New products

- AXIS P3747-PLVE
- AXIS P3748-PLVE

Corrections

- Solved an issue with z-wave event not working correctly.

  Applies to: AXIS M5000-G and AXIS M5075-G
- Corrected an issue where PTZ autotracking was not possible to disable.

  Corrected an issue with continuous PTZ spinning caused by network instability.

  Applies to: AXIS D2110-VE SECURITY RADAR, AXIS D2210-VE RADAR, AXIS Q1656-DLE and AXIS Q1686-DLE

AXIS OS 12.3.56

Release date: 2025-02-24

New products

- AXIS Q1972-E
- AXIS Q2111-E
- AXIS Q2112-E
- AXIS W401

Corrections

- Corrected an issue when midspan is used, the device network interface doesn't go up again after MACsec is deactivated on the switch.
- Corrected an issue that prevented manual IR light activation in certain situations.
- Corrected issue with incorrect timestamps on JPEG recordings stored on edge devices, making them unsearchable.
- Corrected an issue where static views where not working correctly.
- Corrected an issue with incorrect headers when sending image via proxy.
- Corrected an issue where the password was not hidden in the input field for ACAP applications.
- Corrected an issue with the Action Toggle I/O once.
- Corrected an issue in the CSP header endpoint in customhttpheader.cgi.
- Improved stability and memory optimization.

Applies to: AXIS P1465-LE-3

- Corrected an issue where the map was rotated after restart.

    Applies to: AXIS Q1656-DLE

- Corrected an issue where toggling an unmasked view area in AXIS Live Privacy Shield caused the screen to be masked until the service was restarted.
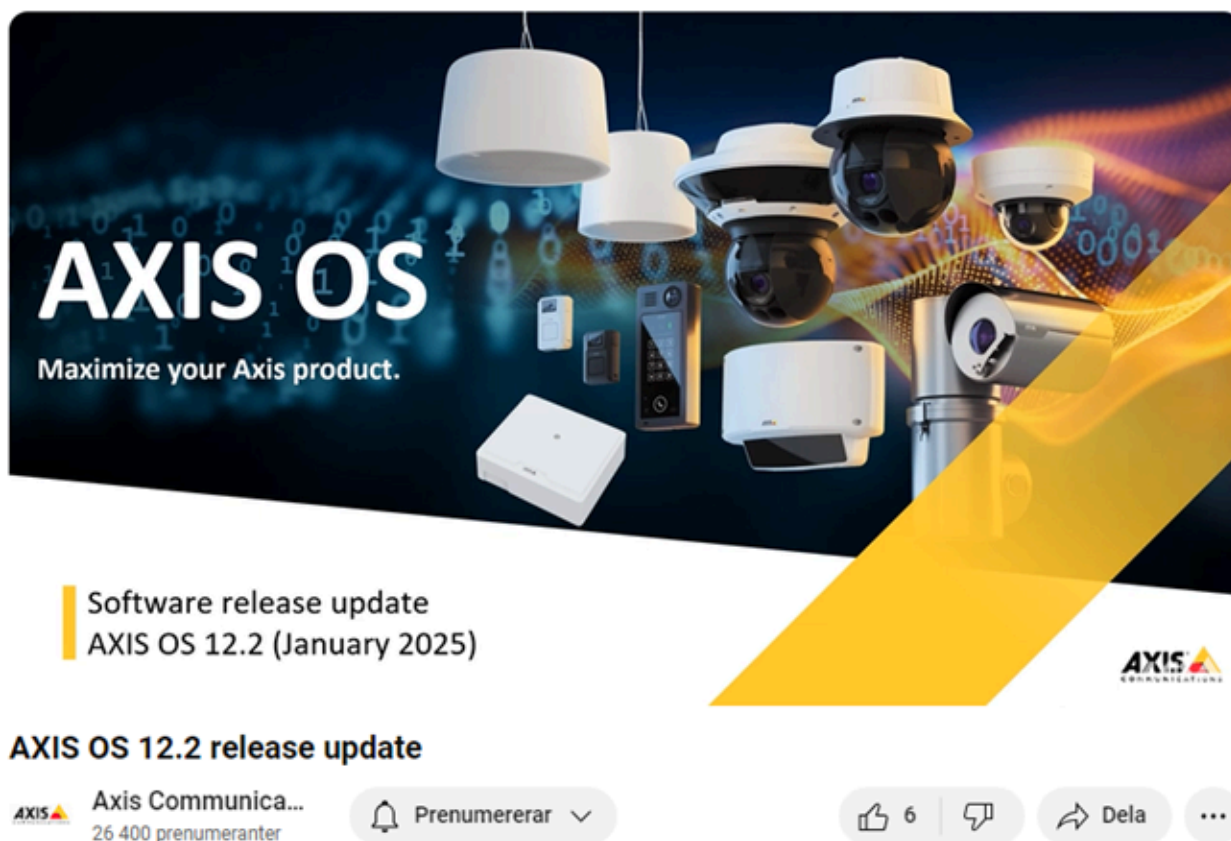
    Applies to: All products based on

- Corrected an issue that occurred when importing ECC keys using Trusted Platform Module (TPM) for secure key storage, which affected rare cases.

    Applies to: All products with support for Secure key storage.

AXIS OS 12.2

Release date: 2025-01-07 – 2025-02-05

Watch the release update *YouTube video* that summarizes the highlights.

A concise 2-page flyer highlighting key features and updates, along with explanations of each feature's functionality and customer value, is available *here.*

Features for all products

- A new page for troubleshooting is added to the web interface. Network trace, ping and port check is possible.

- Dynamic DNS updates added to network page in web interface.
- Added the option to use pixel counter on paused image.
- Added the ability to select the Axis logo to return the home page in the web interface.
- Added the possibility to chose a custom file name for send video clip in the action rules.
- Added the ability to select more audio encoding options in Audio > Stream in the web interface.
- Added a default rate limit for SSH connections of three new connection per second.
- Extended the Firewall API that was first added in AXIS OS 11.8 (February 2024).

  It is now possible to filter for MAC-addresses, IP- and port-range, limit the number of new connections and filter for both UDP and TCP traffic.

  The firewall configuration is also part of the server report.

  The web interface will be updated to support the functionality in one of the next coming AXIS OS releases.

Cybersecurity updates

- Addressed *CVE-2025-0359*, *CVE-2025-0360* and *CVE-2024-47259*.

  These CVEs will be externally disclosed on 4 March 2025, more detailed information will follow then. For more information, please visit the *Axis vulnerability management portal*.

- Updated glib, addressing *CVE-2024-52533*.
- Updated libexpat to version 2.6.4, addressing *CVE-2024-50602*.
- Updated wpa-supplicant to version 2.11 to increase overall cybersecurity level.
- Added support for using public key authentication with SSH users.

Analytics updates

- The metadata producer is moved to the analytics section, in the web interface.
- AXIS Object Analytics

  Note that not all products support AXIS Object Analytics. For more information on compatible products and features, see *AXIS Object Analytics*.

- – Added new tailgating scenario.

  - – Added Personal Protective Equipment (PPE) monitoring scenario as beta, for non explosion protected camera.

  - – Added a autopilot scenario for combined Q series camera.

  - – Removed beta tag for PPE scenario for explosion protected cameras.

  - – Solved translation error between traditional Chinese language and simple Chinese language.

- • AXIS License Plate Verifier

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

  - – Added plate confidence to VAPIX events.

  - – Updated the Genetect Integration with new data, vehicle direction, device location Latitude/Longitude, vehicle type and color, country and region.

  - – Corrected an issue with Update status event images and storage.

  - – Corrected an issue where Push Events were not received in TCP, in combination with proxy function.

  - – Corrected an issue with Slovakian plates where a T would be read as an I.

  - – Corrected an issue with country classification for Canadian number plates.

  - – Corrected an issue with User Interface cached pages.

- • AXIS Image Health Analytics

  - – Improve detection.

  - – Improve test alarm.

Product specific features

- • Added the Best snapshot overlay and object attributes in the metadata visualization in the web interface.

  Applies to: All product based on , and

- • Added a new MQTT API to send analytics data to enable integration with cloud services.

  Applies to: All product based on , and

- • AXIS Audio Manager Edge: Improved the setup of Paging sources.

  Added option to reset music volume to default value at midnight each night.

  Applies to: AXIS C1110-E, AXIS C1111-E, AXIS C1210-E, AXIS C1211-E, AXIS C1510, AXIS C1511, AXIS C1610-VE, AXIS C8110 and AXIS C8210

- • Update of terminology used when configuring actions on buttons in web interface.

  Page contact –> One-way

  Call contact –> Two-way

  Announcement –> Play a file

  Applies to: AXIS C6110

- • Improved radar classification performance.

  Applies to: AXIS D2110-VE

- • AXIS Sensor Metrics Dashboard:

Applies to: AXIS F9111 and AXIS F9114/-B

- – Added a "Dashboard" tab where modbus data sources display live data
- – Added the ability to set "Sensor Type" and "Sensor Unit".
- – Added timestamp for when files are deleted, in "Datafiles" tab.
- – Combined forces of "pitch" and "tilt" used in accelerometer tilt event.
- – Value range for "tilt" changed to [-90, 90]

- • Added Automatic volume control functionality making it possible to dynamically adjusting the volume based on the ambient noise level.

  Applies to: AXIS I7010-VE/Safety and AXIS I7020

- • AXIS Image Health Analytics is added as pre-installed application.

  Applies to: AXIS M1135/-E Mk II, AXIS M1137/-E Mk II, AXIS M5074, AXIS M5075/-G , AXIS P1468-XLE, AXIS P5654-E Mk II, AXIS P5655-E, AXIS P5676-LE, AXIS Q1615/-LE Mk III, AXIS Q1798-LE, AXIS Q6074/-E, AXIS Q6075/-E/-S/-SE, AXIS Q6078-E, AXIS Q6135-LE, AXIS Q6225-LE, AXIS Q6315-LE, AXIS Q6318-LE, D201-S XPT Q6075 and ExCam XPT Q6075

- • Added basic SNMP support in the web interface.

  Applies to: AXIS S3008, AXIS S3008 MK II and AXIS S3016

- • Added minimum and maximum speed in consolidated metadata to radar products.

  Applies to: AXIS Q1656-DLE and AXIS Q1686-DLE

- • Added new Traffic Assistant wizard to simplify the configuration of the radar for speed violation detection and wrong-way detection.

  Added license plate recognition event as specified in Annex G3 of ONVIF Analytics Service Specification.

  Applies to: AXIS Q1686-DLE

AXIS OS 12.2.63

Release date: 2025-02-05

Corrections

- • Resolved an issue that caused failure of the ONVIF conformance test.

  Applies to: AXIS D2210-VE, AXIS Q1800-LE and AXIS Q1800-LE-3

AXIS OS 12.2.62

Release date: 2025–01–29

Corrections

AXIS Object Analytics

Note that not all products support AXIS Object Analytics. For more information on compatible products and features, see *AXIS Object Analytics.*

- – Improved algorithm for Occupancy in Area.

AXIS OS 12.2.61

Release date: 2025–01–22

Product specific features

- Hardware modifications have been made to proactively prepare for the new NDAA 23 regulations that will be required in 2028. You will find more information about *NDAA Compliance* on axis.com. In AXIS OS knowledge base, you will find more about the *hardware changes*. The hardware ID can be found in Plain config > Properties > System > Hardware ID.
  - Products with Hardware ID A20 only support active track 12.2.61 and later, as well as upcoming LTS 2024 version and later.

    Applies to: AXIS Q1806-LE
  - Products with Hardware ID A21 and A22 only support active track 12.2.61 and later, as well as upcoming LTS 2024 version and later.

    Applies to: AXIS P1387, AXIS P1387-B, AXIS P1387-BE, AXIS P1387-LE, AXIS P1388, AXIS P1388-B, AXIS P1388-BE and AXIS P1388-LE

Corrections

- Corrected an issue that allowed the heater to start in low power mode after an upgrade.

  Applies to: AXIS Q1805-LE, AXIS Q1806-LE, AXISQ1808-LE

AXIS OS 12.2.59

Release date: 2025-01-16

New product

- AXIS P1518-LE

Corrections

- Corrected an issue where a name was misspelled in the event list.

  Applies to: AXIS Q1686-DLE
- Resolved an issue that caused failure of the ONVIF conformance test.

  Applies to: AXIS A8207-VE Mk II, AXIS I7010-VE, AXIS I7020, AXIS I8016-LVE and AXIS I8116-E

AXIS OS 12.2.52

Release date: 2025-01-07

New products

- AXIS F9104-B Mk II Main Unit
- AXIS F9111-R Mk II Main Unit
- AXIS F9114-B/-R Mk II Main Unit
- AXIS Q1728

Corrections

- Improved log messages for upload images to FTP.
- Improved password validation for network shares. .
- Improved "Start Recording" functionality to prevent simultaneous continuous recording.
- Corrected an issue with high bitrate in ONVIF streams.
- Corrected a problem with gaps in the exported Matroska files when they were recorded at 50/60 FPS.
- Corrected an issue in the web interface, System > Time and Location > Device Location > Longitude, where the longitude accepted only 2 digits instead of 3 as it should.
- AXIS Audio Manager Edge:

Input gain will no longer be set to 30 dB when creating a new two-way paging recipient. Input gain will instead retain its current value.

Corrected an issue where certain music sources could be unintentionally muted during volume adjustment.

Applies to: AXIS C1110-E, AXIS C1111-E, AXIS C1210-E, AXIS C1211-E, AXIS C1510, AXIS C1511, AXIS C1610-VE, AXIS C8110 and AXIS C8210

- Corrected an issue when non-ASCII characters (e.g. ü or ö) are used in the radar map file name.

  Applies to: AXIS D2110-VE, AXIS D2210-VE, AXIS Q1656-DLE and AXIS Q1686-DLE

- Corrected an issue where credentials was required for adding SIP proxy server even if it was not set up that way.

  Applies to: AXIS I8116-E

- Corrected an issue with audio microphone pairing.

  Applies to: AXIS P1385, AXIS P1385-B, AXIS P1387, AXIS P1387-B, AXIS P1388 and AXIS P1388-B

- Corrected an issue with increase/decrease rate when using Fahrenheit.

  Applies to: AXIS Q1961-TE, AXIS Q1961-XTE, AXIS Q1971-E and AXIS Q2101-TE

- Improves contrast of small object in low dynamic scenes.

  Applies to: AXIS Q1971-E and AXIS Q2101-TE

- Corrected an intermittent focus issue that sometimes caused blurry images when using wide-angle or partial zoom modes.

  Applies to: AXIS Q6315-LE

AXIS OS 12.1

Release date: 2024-11-13 – 2025-01-07

Watch the release update *YouTube video* that summarizes the highlights.

As a complement there is also a 2-page flyer, that contains the key features and updates of the specific release. For each feature and update, we clearly describe the function and the customer value. If you are curious about this, you find the very first flyer, covering AXIS OS 12.1, *here*.

Features for all products

- Added a new recommended default authentication mode for the root.Network.HTTP. AuthenticationPolicy parameter which enables basic authentication for HTTPS connections to follow the IT-industry standard. Digest authentication is possible to enable for unencrypted HTTP connections. More information about this mode can be found in the *VAPIX Library*.

- Added the possibility to specify which video format should be used by default in the web client by setting the parameter Plain config > Layout > Default video format.

- Added support for multiple dynamic text overlay in ADA and actoin rules.

- Increased the possible maximum length of the MQTT overlay key.

- Added support for Extreme Networks' Fabric Attach™ through LLDP-TLV extension which is enabled by default to allow for simplified and automated device onboarding. For more information, please visit the *AXIS OS Knowledge base*.

Cybersecurity updates

- Updated cURL to version 8.10.1 to increase overall cybersecurity level.

- Addressed *CVE-2024-8772* and *CVE-2024-8160*. These CVEs will be externally disclosed on 26 November 2024 as part of our ongoing commitment to cybersecurity. Detailed information will follow then. For more information, please visit the *Axis vulnerability management portal*.

- Added the possibility to set new global HTTP/HTTPS proxy settings in the web interface under System > Network.
- Restricted access to param.cgi so that only authorized administrators can configure privacy masks.

Breaking changes

- Removed the obsolete IPFilter param.cgi parameters as the new Firewall Service is replacing them appropriately.

  The removed parameters are Network.Filter.Enabled, Network.Filter.Input.AcceptAddresses, Network. Filter.Input.Policy and Network.Filter.Log.Enabled

- The WebService Discovery (WS-Discovery) protocol is disabled by default. It only applies for factory defaulted devices and is possible to enable through the VAPIX API: WebService.DiscoveryMode. Discoverable. MDNS is the preferred way of discovering Axis devices on networks.
- Removed the possibility to format SD cards to the vFAT file system. However, they can still be used as before. Applies to: All products with SD card support.

Analytics updates

- AXIS Object Analytics

  Note that not all products support AXIS Object Analytics. For more information on compatible products and features, visit the *AXIS Object Analytics*.
  - Updated scenario setup for products based on .
  - Improved algorithm for multichannel products.
  - Improved detection algorithm. Note that not all products support AXIS Object Analytics.

- AXIS License Plate Verifier

  Applies to: AXIS P1465-LE-3 and AXIS P3265-LVE-3
  - Improved on Australian libraries with extended plate formats to increase license plate reads for Custom/Personalized plates.
  - Improved on Mexican libraries with characters that are situated very close to the frame of the license plate.
  - Corrected a stability issue related to Australia and New Zealand region number plates.
  - Corrected an issue with max character filter.
  - Corrected an issue with Singapore region which was not listed in some camera models.

- Early fire detection

  Applies to: AXIS Q1961-TE, AXIS Q1961-XTE, AXIS Q1971-E and AXIS Q2101-TE
  - Corrected an issue where the current preset was not always selected in the drop-down menu on the settings page.
  - General improvements.

- AXIS Image Health Analytics is added as pre-installed application.

  Applies to: AXIS P1385/-B/-BE/-E, AXIS P1387/-B/-BE/-LE , AXIS P1388/-B/-BE/-LE and AXIS P3267-LVE Mic

- Added a rename event to improve post-processing tracking of objects that reappear in the scene.

  Applies to: Products based on and .

  Note that it is not applicable to AXIS M4317-PLR/-PLVE, AXIS M4318-PLR/-PLVE, AXIS M4327-P, AXIS M4328-P, AXIS XFQ1656, AXIS P1468-XLE and AXIS P3827-PVE

Product specific features

- Hardware modifications have been made to proactively prepare for the new NDAA 23 regulations that will be required in 2028. You will find more information about *NDAA Compliance* on axis.com. In AXIS OS knowledge base, you will find more about the *hardware changes*. The hardware ID can be found in Plain config > Properties > System > Hardware ID.

    - Products with Hardware ID A08 only support active track 12.1.60 and later, as well as LTS 2024 version 11.11.127 and later, and LTS 2022 version 10.12.270 and later.

        Applies to: AXIS M3088-V

    - Products with Hardware ID A09 only support active track 12.1.60 and later, as well as LTS 2024 version 11.11.128 and later.

        Applies to: AXIS M3128-LVE

    - Products with Hardware ID A07 only support active track 12.1.60 and later, as well as LTS 2024 version 11.11.127 and later.

        Applies to: AXIS M4218-V and AXIS M4218-LV

    - Products with Hardware ID 9FC, 9FD and 9FE only support active track 12.1.60 and later, as well as LTS 2024 version 11.11.124 and later.

        Applies to: AXIS P1465-LE 9mm, AXIS P1465-LE 29mm and AXIS P1465-LE-3

    - Products with Hardware ID A14 and A15 only support active track 12.1.60 and later, as well as upcoming version of LTS 2024 and later.

        Applies to: AXIS P3738-PLE and AXIS P4708-PLVE

- AXIS Audio Manager Edge: Added the volumeControllers API endpoint that makes it possible to adjust different volumes within the system.

    Applies to: AXIS C1110-E, AXIS C1111-E, AXIS C1210-E, AXIS C1211-E, AXIS C1510, AXIS C1511, AXIS C1610-VE, AXIS C8110 and AXIS C8210

- Added support for additional colors for the front LED. The new colors are yellow, purple, turquoise and white.

    Previously, it was possible to produce these colors by selecting multiple colors but this option is now removed and such profiles will be moved to the new colors on update.

    Applies to: AXIS C1110-E, AXIS C1111-E, AXIS C1210-E, AXIS C1211-E, AXIS C1310-E Mk II, AXIS C1410 Mk II, AXIS C1510, AXIS C1511, AXIS XC1311,

- Added the possibility to disable/enable USB ports in the web-interface or via VAPIX API.

    Applies to: AXIS D1110

- Updated the appearance of 1+3 video channel.

    Applies to: AXIS F9114 Main Unit and AXIS F9114-B Main Unit

- Added support for sensor AXIS F2107-RE and AXIS F2137-RE.

    Applies to: AXIS F9104-B Main Unit, AXIS F9111 Main Unit, AXIS F9114 Main Unit and AXIS F9114-B Main Unit

- Added support for including license plate crops in Base64 format within the VehicleInformation metadata event when using Axis License Plate Verifier.

    Improved the performance of License plate and speed association and removing the license plate capture from stationary vehicles.

Applies to: AXIS Q1686-DLE

- Improved the map calibration, with the possibility to edit the calibration, zoom rotate the map, move the radar and rotate the radar. For more information watch this *Youtube video.*

  Applies to: AXIS D2110-VE, AXIS D2210-VE, AXIS Q1656-DLE and AXIS Q1686-DLE

- Added the possibility to read the power consumption from the Power Meter function as an overlay.

  Applies to: All products with Power Meter support

- AXIS PTZ Autotracking has been integrated into AXIS OS and is now located under the PTZ tab in the web interface. Applies to: All product with PTZ Autotracking support..

- Improved setup time for SD cards by moving parts to the background.

  Applies to: All products with SD card support.

AXIS OS 12.1.72

Release date: 2025-01-07

Corrections

- Corrected an issue where the connection to Genetec server were lost, when T99 PT head was used.

  Applies to: AXIS M7104, AXIS M7116, AXIS P1385/B/-BE/-E, AXIS P1387/-B/-BE/-LE, AXIS P1388/-B/-BE/-LE, AXIS P7304, AXIS P7316, AXIS Q1615 MK III, AXIS Q1615-LE Mk III, AXIS Q1656/-B/-BE/-BLE/-DLE/-LE, AXIS Q1715, AXIS Q2102-E and AXIS XFQ1656

AXIS OS 12.1.70

Release date: 2024–12–09

New products

- AXIS Q1800-LE
- AXIS Q1800-LE-3

Corrections

- Corrected an issue where the AXIS Audio Manager Pro ACAP application could not update audio configuration.

  Applies to: AXIS C1110-E, AXIS C1111-E, AXIS C1210-E, AXIS C1211-E, AXIS C1310-E MK II, AXIS C1410 MK II, AXIS C1510, AXIS C1511, AXIS C1610-VE, AXIS C8110 and AXIS C8210

- Corrected an issue with dark image in low light.

  Applies to: AXIS M3125-LVE, AXIS M3126-LVE, AXIS M3128-LVE, AXIS M4215-LV/-V and AXIS M4218-LV/-V

AXIS OS 12.1.66

Release date: 2024-11-25

Corrections

- Corrected an issue where changes in the audio output volume through the web interface were not applied correctly to the SIP calls and the recorded audio clips.

  Applies to: AXIS M1075-L and AXIS Q9307-LV

AXIS OS 12.1.64

Release date: 2024-11-20

New products

- AXIS I7010-VE Safety
- AXIS I7020
- AXIS Q1809-LE

Corrections

- Corrected an issue where sending image and video through HTTP/HTTPS with digest authentication was not working correctly together with global proxy.

- Corrected problem where WebRTC streaming did not work in some situations.

AXIS OS 12.1.60

Release date: 2024-11-13

Corrections

- Removed templates in the Axevent API as they do not work after removing root privileges in AXIS OS 12.0.

- Corrected an issue where the browser selected Simplified Chinese automatically while it should have selected the Traditional Chinese.

- Corrected an issue where the image upload file naming was not correct.

- Corrected an issue in application upgrade when using AXHttp.

- Corrected an issue with the description of the modifier in the text overlay.

- Corrected an issue with customhttpheader.cgi that could make the web interface inaccessible.

- Corrected an issue that could cause the device to stop responding if the video processing system was stopped unexpectedly..

  Applies to: AXIS I7010-VE, AXIS I7020, AXIS I8116-E, AXIS M1055-L, AXIS M1075-L, AXIS M2035-LE, AXIS M2036-LE, AXIS M3085-V, AXIS M3086-V, AXIS M3088-V, AXIS M3125-LVE, AXIS M3126-LVE, AXIS M3128-LVE, AXIS M4215-LV/-V, AXIS M4216-LV/-V and AXIS M4218-LV/-V

- Corrected an issue where SIP calls using unicast was not working correctly.

  Applies to: AXIS C8110

- Corrected an issue where the camera stopped streaming and the web interface became inaccessible.

  Applies to: AXIS M3085-V, AXIS M3088-V, AXIS M4215-LV/-V and AXIS M4218-LV/-V

- Removed the support for altering white light states through the the ONVIF API.

  Applies to: AXIS Q1656-DLE, AXIS Q8615-E,AXIS Q8752-E

- Corrected an issue where the incorrect MAC address was shown.

  Applies to: AXIS Q1808-LE

- Corrected an intermittent focus issue that sometimes caused blurry images when using wide-angle or partial zoom modes.

  Applies to: AXIS Q6315-LE and AXIS Q6318-LE

- Corrected an issue where the camera could move out of control if it received multiple rapid preset calls.

Applies to: AXIS Q8752-E

- Corrected an intermittent issue with low image quality and bitrate in RTSP-streams, when using Zipstream in combination with PTZ commands.

  Applies to: All products based on and with PTZ support.

- Increased the minimum size of a viewarea to the same size as the smallest video streaming resolution when adding a new viewarea.

  Applies to: All products based on with viewarea support.

AXIS OS 12.0

Release date: 2024-09-30 – 2024-10-21

NOTICE
- **AXIS Camera Station Pro**: For full support for cameras on AXIS OS 12, you must use AXIS Camera Station Pro 6.3 or later.

- **AXIS Camera Station 5**: To support cameras running on AXIS OS 12, you need to use AXIS Camera Station 5.58. However, the AXIS Camera Station 5 track is not fully compatible with AXIS OS 12. For full support, you must upgrade to AXIS Camera Station Pro 6.3 or higher.

- **AXIS Perimeter Defender 3.6.0 required.** Versions 3.5.1 and earlier are not compatible with AXIS OS 12.0 or higher. Follow these *instructions* to perform the upgrade correctly.

- **AXIS License Plate Verifier 2.12.8 required.** Versions 2.8.4 or earlier are not compatible with AXIS 12 or higher. Follow these *instructions* to perform the upgrade correctly.

- **AXIS People Counter 5.0.5 required.** Versions 4.6.108 and earlier are not compatible with AXIS OS 12 or higher. Follow these *instructions* to perform the upgrade correctly.

- **AXIS Audio Manager Pro**: AXIS OS 12 requires AXIS Audio Manager Pro 4.6.2 or later. Before upgrading devices to AXIS OS 12 or later, make sure that AXIS Audio Manager Pro 4.6.2 or later is running.

- **AXIS Device Manager**: Before upgrading devices to AXIS OS 12 or later, make sure that the Trusted Platform Module (TPM) modules do not require additional upgrade via ACAP because it will affect the certificate operations. Read more in note #3 in *Cryptographic support* in the Knowledge base.

Watch the release update *YouTube video* that summarizes the highlights, or read through the full list of changes below.

Features for all products

- Implemented the IPv4 compliance i.e. AXIS OS devices no longer have default IP addresses. The Axis OS devices will use IP addresses either from a DHCP server or from a statically configured address. The devices will only revert to link-local addresses if an IP address conflict is detected or if a DHCP server is not available on the network. Go to the AXIS OS Knowledge base for more information on the *IPv4 address transition*.

- Added the Network.RTSPS.Ciphers VAPIX parameter to configure cryptographic ciphers for secure video streaming over SRTP/RTSPS.

- Changed the firewall default policy to "Allow" to prevent accidental lockouts when activating the firewall.

- Added the possibility to disable the anonymous access of Basic Device Info properties.

- Updated the default Content-Security-Policy (CSP) HTTP(S) header. Visit the AXIS OS Knowledge base for an overview of the *default header configuration*.

- Added support for selecting MQTT client status as a condition when creating event rules.

- Updated the look and feel of the web interface.

Cybersecurity updates

- Addressed *CVE-2024-7784*. For more information, please visit the *Axis vulnerability management portal*.

  Note that downgrading the product to an older AXIS OS version other than LTS 2024 version 11.11.109 or later as well as LTS 2020 version 10.12.225 or later, is not possible.

Applies to: Products based on , , , , and

- Addressed *CVE-2024-6509* and *CVE-2024-6979*. For more information, please visit the *Axis vulnerability management portal*.

- Removed the root-privileged access to Axis products and ACAP applications indefinitely without the possibility to enable it. This change applies to the factory default settings as well as when upgrading to AXIS OS 12 from any previous version of AXIS OS. This has been communicated since May 2023, read the *full guide* for more information.

- Updated Apache to version 2.4.62, addressing *CVE-2024-40725* and *CVE-2024-40898*.

- Updated cURL to version 8.9.1, addressing *CVE-2024-8096*.

- Updated OpenSSL to version 3.0.15, addressing *CVE-2024-6119* and *CVE-2024-5535*.

- Updated OpenSSH to version 9.8p1, addressing *CVE-2024-6387*.

- Preconfigured the Axis device ID P-256 ECC client certificate for IEEE 802.1X. Previously, it was the RSA-2048 version.

- Updated the supported TLS versions for the SMTP client so only TLS 1.2 or higher is supported.

- Improved default security by removing the blow weak ciphers for TLS connections: DHE-RSA-AES128-GCM-SHA256 and DHE-RSA-AES256-GCM-SHA384.

Breaking changes

- Disabled the UPnP discovery protocol. It only applies for factory defaulted devices. It is possible to enable through the VAPIX API: Network.UPnP.Enabled. MDNS is the preferred way of discovering Axis devices on networks.

- Disabled HTTP Port 80 redirects, if the device is configured to HTTPS-only, to increase the overall device security.

- Removed the "IP-Filtering"-service and replaced by host-based firewall service, available since AXIS OS 11.8.

- Removed support for TLS 1.0/1.1 HTTPS connections to increase overall security level.

- Removed support for OpenSSL 1.1.1 which is replaced by OpenSSL 3. Read more on the Open Source library support in *AXIS OS portal*.

- Removed support for SMB 1.0 and 2.0 to increase overall cybersecurity level.

- Changed the object type from Bicycle to Bike in ONVIF metadata stream.

- Removed "tt:ClassDescriptor/tt:ClassCandidate" from Analytics Scene description. ONVIF recommends using "tt:ClassDescriptor/tt:Type".

- Removed the old web interface, also called "*AXIS OS web version B*".

- Removed root-privileged access for ACAP applications. Please read the *full guide* for more information.

- Changed the behavior for ACAPs to abort post-installed script installation and return an error if it fails.

- Removed the libcapture library for ACAPs. Please use the Video capture API instead. For more information, visit the *ACAP SDK Documentation*.

- Removed the vaconfig.cgi VAPIX API since it is obsolete.

- Removed the getBrand.cgi VAPIX API. It is recommended to use the Basic Device Information VAPIX API instead, see more info in the *VAPIX Library*.

- Removed the axis-release/releaseinfo.cgi in VAPIX API. It is recommended to use the Basic Device Information VAPIX API instead, see more info in the *VAPIX Library*.

- Removed the lightcontrol webservice API and replaced by lightcontrol JSON API. Please see the *VAPIX Library* for more information.

- Removed the legacy overlays. The ability to create overlays through parameter.cgi is removed. For more information go to *developer community*.

- Changed the VAPIX Rate Control API to make it simpler. This was communicated earlier in *developer community*.

- Removed the unused functionality or parameters in privacymask.cgi and param.cgi, while those utilized in the previous version have been preserved.

  The following is removed in privacymask.cgi: preview_on, preview_off, query list, query position, ptpolygon, imagerotation, imageresolution, zoomlowlimit.

  The following is removed in param.cgi: parameter Image.I[source].Overlay.MaskWindows.PtPolygon.

- Removed the basic analytics ACAP applications due to updates to the framework. Applies to Axis Basic Enter-Exit, Axis Basic Object Counter and Axis Basic Object Removed.

  Applies to: AXIS Q6074/-E, AXIS Q6075/-S/-SE and ExCam XPT Q6075

Analytics updates

- AXIS Object Analytics
  - Added Class/reason to all alarm scenarios events.
  - Updated Line Crossing for alarms events.
  - Improved detection algorithm for Artpec 7 cameras.
  - Added Beta Tag to Occupancy in Area for DLPU Fisheye Cameras.
  - Crossline Counting added to DLPU Fisheye Camera.

Note that not all products support AXIS Object Analytics. Note that not all products support AXIS Object Analytics. For more information on compatible products and features, visit the *AXIS Object Analytics*.
- AXIS License Plate Verifier
  - Improved stability and memory optimization.
  - Improved on state recognition for USA number plates where stuck letters such as FT or LR could affect the state recognition of the plate.
  - Improved the libraries for Austrian number plates.
  - Added support for Singapore license plates.
  - Added support for the new license plate prefix region MUC for German license plates.
  - Corrected an issue with too many descriptor files open in buffered events.
  - Corrected an issue for Push Events, wrong value in the Lost event in Unicode filed (umlauts).
  - Corrected an issue when saving sensitivity setting value. - Corrected an issue when camera switches between day and night mode.
  - Corrected an issue when the default HTTP/HTTPS port is changed on the camera.
  - Corrected an issue with the Test button under Push Events, where test events were not received by AXIS Camera Station.

- AXIS Perimeter Defender
  - Version 3.6.0 or higher is required.
  - AXIS Perimeter Defender 3.5.1 and earlier versions are not compatible with AXIS OS 12.0 or higher.
  - How to upgrade: Before upgrading to AXIS OS 12.0 or higher, ensure that AXIS Perimeter Defender is upgraded to version 3.6.0 or higher.
  - If you upgrade a camera running AXIS Perimeter Defender 3.5.1 or earlier to AXIS OS 12.0, the application will not be available. However, a simple rollback to the previous version of AXIS OS will restore the application without any loss of configuration.

- AXIS Image Health Analytics is added as pre-installed application.

Applies to: AXIS M3215-LVE, AXIS M3216-LVE, AXIS P1465-LE, AXIS P1465-LE-3, AXIS P1467-LE, AXIS P1468-LE, P3265-V/-LV/-LVE, AXIS P3267-LV/-LVE, AXIS P3268-LV/-LVE/-SLVE, AXIS Q1656/-B/-BE/-BLE/-DLE/-LE, AXIS Q1805-LE, AXIS Q1806-LE, AXIS Q1808-LE, AXIS Q3536-LVE, AXIS Q3538-LVE/-SLVE, AXIS Q3626-VE and AXIS Q3628-VE

Product specific features

- Hardware modifications have been made to proactively prepare for the new NDAA 23 regulations that will be required in 2028. You will find more information about *NDAA Compliance* on axis.com. In AXIS OS knowledge base, you will find more about the *hardware changes*. The hardware ID can be found in Plain config > Properties > System > Hardware ID.
    - Products with Hardware ID 9F9 and 9FA only support active track 12.0.91 and later, as well as LTS 2024 11.11.124 and later.

        Applies to: AXIS P1385, AXIS P1385-B, AXIS P1385-BE and AXIS P1385-E

    - Products with Hardware ID 9FB only support active track 12.0.91 and later, as well as LTS 2024 11.11.124 and later.

        Applies to: AXIS Q1805-LE

- AXIS Audio Manager Edge: Added the possibility to randomize a delay when the intervals of an event starts.

    Added the targets API endpoint that makes it possible to get online/offline status of devices.

    Applies to: AXIS C1110-E, AXIS C1111-E, AXIS C1210-E, AXIS C1211-E, AXIS 1510, AXIS C1511, AXIS C1610-VE, AXIS C8110 , AXIS C8210and AXIS XC1311

- Changed the indicated LED from green to off during normal operation.

    Applies to: AXIS C1110-E, AXIS C1111-E, AXIS C1210-E, AXIS C1211-E, AXIS C1310-E Mk II, AXIS C1410 Mk II, AXIS C1510, AXIS C1511, AXIS C1610-VE, AXIS C6110 and AXIS XC1311

- Added support for audio multicast controller to enable users to specify a set of multicast sources to listen to and to prioritize them.

    Applies to: AXIS I7010-VE, AXIS I8016-LVE and AXIS I8116-E

- Improved analytics capabilities when wall mounted.

    Applies to: AXIS M4317-PLR/-PLVE, AXIS M4318-PLR/-PLVE, AXIS M4327-P and AXIS M4328-P

- Added the event configuration pages in the web interface for more configuration options. A warning is shown when existing rules are changed.

    Applies to: AXIS S3008, AXIS S3008 Mk II and AXIS S3016

- Increased support for up to 50 audio clips.

    Applies to: AXIS V5925 and AXIS V5938

- Added wiper support to NTCIP and the possibility to enable clear-view on selected products with speed dry functionality.

    Applies to: AXIS Q1656-BE/-BLE/-LE, AXIS Q6135-LE, AXIS Q6225-LE, AXIS Q6315-LE and AXIS Q8752-E

- Added the possibility to enable the disabled switchport.

    Applies to: AXIS Q1805-LE, AXIS Q1806-LE, AXIS Q1808-LE and AXIS Q1809-LE

AXIS OS 12.0.98

Release date: 2024-10-21

Corrections

- Corrected an issue where SSH and network share users were removed after upgrade.

- Corrected an issue where live stream not working correctly when connected through RTSPS.

  Applies to: AXIS A8207-VE Mk II, AXIS I7010-VE, AXIS I8016-LVE and AXIS I8116-E

AXIS OS 12.0.96

Release date: 2024-10-10

Corrections

- Improved stability when set to wall mode.

  Applies to: AXIS M4308-PLE

AXIS OS 12.0.92

Release date: 2024-10-07

Corrections

- Improved the number of false alarms for static scenes in Axis Object Analytics.

  Applies to: AXIS F9104-B, AXIS F9111, AXIS F9114/-B, AXIS P5654-E, AXIS P5654-E Mk II,
  AXIS P5655-E, AXIS P5676-LE, AXIS Q6074/-E, AXIS Q6075/-E/-S/-SE, AXIS Q6078-E, AXIS Q6135-LE,
  AXIS Q6225-LE, AXIS Q6315-LE, AXIS Q6318-LE, AXIS Q8615-E, D201-S XPT Q6075 and
  ExCam XPT Q6075

AXIS OS 12.0.91

Release date: 2024-09-30

New products

- AXIS M3125-LVE
- AXIS M3126-LVE
- AXIS M3128-LVE
- AXIS Q1686-DLE

Corrections

- AXIS Audio Manager Edge: Corrected an issue where streaming from Royal Streaming was not working correctly.

- AXIS Audio Manager Pro: Limitation: To support AXIS OS 12 and higher, an upgrade to AXIS Audio Manager Pro version 4.6.1 or higher is required.

- Corrected an issue where scenario names were not the same between MQTT and AXIS Object Analytics.

- Corrected an issue with time and date format when testing to send email to recipient.

- Corrected an issue where it was not possible to enable DST using root.Time.DST.Enabled.

- Corrected an issue with malformed XML data in the metadata stream.

- Corrected an issue with virtual inputs.

  Applies to: AXIS I8016-LVE

- Corrected an issue where not all special characters could be used when adding a new source.

  Applies to: AXIS D1110

- Corrected an issue to be able to set the focus through VAPIX API.

  Applies to: AXIS M5526-E

- Corrected an issue where it was not possible to upgrade from AXIS OS version 8.20 or older.

  Applies to: AXIS A8207-VE Mk II, AXIS FA51, AXIS FA51-B, AXIS FA54, ExCam XF Q1785, XF40-Q1785 and XPQ1785

- Corrected an issue where AXIS TU8003 was not working correctly.

  Applies to: AXIS P3735-PLE, AXIS P3737-PLE and AXIS P3738-PLE

- Corrected an issue where the product could become unavailable over the network after a reboot or a firmware upgrade.

  Applies to: AXIS S3016

- Corrected an issue with radar stream orientation when the camera video stream was rotated.

  Limitation: The radar video stream will always match the camera rotation. If the camera stream is rotated, the radar live view will rotate as well.

  Improved radar pairing function stability and introducing automatic reconnect if the connection between the radar and camera drops.

  Applies to: AXIS D2210-VE and AXIS P1465-LE-3

- Improved radar crossline metadata event with additional parameters like the object ID, object class and speed.

  Applies to: AXIS D2110-VE, AXIS D2210-VE and AXIS Q1656-DLE

- Corrected an issue which caused timestamps of analytics scene description frames to be out of sync with the video.Improved radar speed measurement accuracy when road monitoring profile is used in installations where road signs can be the cause for reflections.

  Applies to: AXIS Q1656-DLE

- Corrected an issue where audio was not being transmitted correctly over HDMI.

  Applies to: AXIS Q1715

LTS 2024 - 11.11

Support phase: 2024 – 2029-12-31

Go to for a list of products on this track.

> **Note**
> - When upgrading from LTS 2022 or LTS 2020, please review the breaking changes implemented in AXIS OS 11.
>
>   These can be found in *Changes in AXIS OS 11* in the AXIS OS Portal.
> - Release notes for previous versions of AXIS OS 11 are available *here*.

AXIS OS 11.11.181

Release date: 2025-11-03

Cybersecurity updates

- Updated OpenSSH to version 10.1 to increase overall cybersecurity level.
- Updated OpenSSL to version 3.0.18 to increase overall cybersecurity level.
- Updated glib, addressing *CVE-2025-6052*
- Addressed *CVE-2025-8998*, *CVE-2025-9055* and *CVE-2025-9524*. These CVEs will be externally disclosed on 11 November 2025, more detailed information will follow then. For more information, please visit the *Axis vulnerability management portal*.

Corrections

- Corrected an issue where zoom modifiers (#z and #Z) was not working correctly with upload image and video upload to ftp or http.
- Corrected an issue where Always Multicast stopped working after a device upgrade.
- Corrected a memory leak in the dynamicoverlay-cgi.
- Improved log messages for upload images to FTP.
- Added support in the web interface to use FQDN for SNMP Trap address.
- Corrected an issue where Privacy mask not working correctly.

  Applies to: AXIS P3248-LVE
- Resolved an issue that caused failure of the ONVIF conformance test.

  Applies to: AXIS D2210-VE
- Corrected an issue where it sometimes takes up to 30 seconds to connect via AMC.

  Applies to: AXIS Q9307-LV and AXIS V5925
- Corrected an issue where Always Multicast would stop and not recover when a sensor signal was lost over the serial link.

  Applies to: AXIS F9114 and AXIS F9114-B

AXIS OS 11.11.176

Release date: 2025-10-06

Cybersecurity updates

- Updated cURL to version 8.16.0 to increase overall cybersecurity level.

- updated redis to version 7.2.10, addressing *CVE-2025-48367*.
- Corrected an issue where AXIS License Plate Verifier was not working correctly with cURL version 8.14.1.

Corrections

- Corrected an issue where the GetSegment D-Bus reply was zero for recordings.
- Corrected an issue where the date format in email headers was inconsistent for the first 9 days of the month.
- Corrected an issue where zoom modifiers (#z and #Z) were not supported in videoclip upload filenames.
- Corrected a memory leak in the Axis parameter handler service.
- Improved TLS Handshake Performance with TPM Keys.
- Improved media player handling.

    Applies to: AXIS D1110, AXIS S3008 and AXIS S3016
- Corrected an issue where PTZ autotracker stopped working after restart.

    Applies to: AXIS D201-S XPT Q6075 and AXIS Q6075-E
- Corrected a bootloader issue after updating to AXIS OS 11.11.160.

    Applies to: AXIS M3085-V, AXIS M3088-V, AXIS M3125-LVE, AXIS M3126-LVE, AXIS M3128-LVE, AXIS M4215-LV, AXIS M4215-V, AXIS M4218-LV and AXIS M4218-V

AXIS OS 11.11.169

Release date: 2025-09-08

Features for all products

- Enabled the enforcement of upgrade paths. More information can be found in the *AXIS OS portal*.

    This feature is now integrated in the web interface, so in case of failed upgrade attempt, an error message is shown in the logs.

Cybersecurity updates

- Addressed *CVE-2025-6571*. This CVE will be externally disclosed on 11 November 2025, more detailed information will follow then. For more information, please visit the *Axis vulnerability management portal*.
- Updated OpenSSL to version 3.0.17, addressing *CVE-2025-4575*.
- Updated OpenSSL to version 1.1.1zc to increase overall cybersecurity level.
- Updated Apache to version 2.4.64 to increase overall cybersecurity level.
- Updated Apache to version 2.4.65 to increase overall cybersecurity level.
- Addressed *CVE-2024-23337*, *CVE-2025-48060* and *CVE-2024-53427* in jq-1.7.1.
- Addressed *BIT-redis-2025-21605* in redis-7.2.7.

Corrections

- Corrected an issue where capital letters were not supported in account usernames.
- Corrected an issue with HTTP notifications failing due to permission errors.
- Corrected an issue where Always Multicast would stop and not recover when a sensor signal was lost over the serial link.

    Applies to: AXIS F9114 and AXIS F9114-B
- Improved Cold Boot Stability for i-CS system lens.

Applies to: AXIS M1135 MK II, AXIS M1135-E MK II, AXIS M1137 MK II and AXIS M1137-E MK II

- Corrected an issue with RTSP stream not being displayed correctly at restart. If you change the Quad view configuration the stream will be restarted.

    Applies to: AXIS M3077-PLVE and AXIS M4327-P

- Corrected an issue where changes to Smoke Alert Analytics settings had no effect.

    Applies to: AXIS P1468-XLE, AXIS XFQ1656 and AXIS XPQ1785

- Corrected a freeze issue caused by electrostatic discharge (ESD) events. The device now automatically recovers without needing manual restart.

    Applies to: AXIS Q1951-E and AXIS Q1952-E

AXIS OS 11.11.164

Release date: 2025-07-17

Corrections

- Corrected an issue where capital letters were not supported in account usernames.
- Corrected an issue where changes to Smoke Alert Analytics settings had no effect.

    Applies to: AXIS P1468-XLE, AXIS XFQ1656 and AXIS XPQ1785

AXIS OS 11.11.161

Release date: 2025-07-07

Corrections

- Corrected an issue where FPS drops from 15 to 11 when opening an 8th stream.

    Applies to: AXIS Q6010-E and AXIS Q6100-E

AXIS OS 11.11.160

Release date: 2025-07-07

Analytics updates

- AXIS License Plate Verifier 11.11

    Applies to: AXIS P1445-LE-3, AXIS P1455-LVE-3, AXIS P1465-LE-3, AXIS P3245-LVE-3 and AXIS P3265-LVE-3
    - Added support for PTZ cameras, supporting pairing for up to two preset positions.

        Applies to: AXIS P5676-LE, AXIS Q6135-LE, AXIS Q6225-LE, AXIS Q6315-LE, AXIS Q6318-LE, AXIS Q6355-LE and AXIS Q6358-LE
    - Added support for AXIS A9210.
    - Added corridor mode to the supported , and products.
    - License plate recognition has been improved for various regions, including Dubai, New Zealand, Latvia, and Canada.
    - Improved the event retention behavior when no SD card is present, affecting full frame, downsized frame, and vehicle crop selections.
    - Corrected an issue with the maximum retained events on SD cards.
    - Corrected an issue with umlaut display on text overlays.

- – Corrected an issue with the Area of Interest when there are too many polygons are set in the upper part of the zone.

  - – Corrected an issue with the Test button under Push Event menu related to VAPIX events.

- AXIS Audio Analytics

  - – Restored AXIS Audio Analytics. The application went missing after upgrading to AXIS OS version 11.11.148.

    Applies to: AXIS D3110, AXIS M3086-V, AXIS P9117-PV and AXIS W400

Cybersecurity updates

- Improved password validation for network shares.

- Updated cURL to version 8.14.1.

- Updated OpenSSH to version 10.0p1.

- Addressed *CVE-2025-32728*.

- Addressed *CVE-2025-6298*. This CVE will be externally disclosed later. More detailed information will follow then. For more information, please visit the *Axis vulnerability management portal*.

Corrections

- Corrected an issue with the description of the modifier in the text overlay.

- Corrected an issue where API-Discovery triggered a memory leak, improving system stability.

- Corrected an issue causing high memory usage in the httpd process, optimizing the web server performance.

- Increased the number of simultaneous connections the web server can handle to prevent device reboots during high traffic.

- Corrected an issue where remounting an encrypted SD card could cause an illegal state if done incorrectly.

- Corrected an issue where SMTP DATA messages did include additional not needed null characters.

- Corrected an issue with the disk event triggers where they were not triggering again after restarting the device.

- Corrected an issue with delay in the audio streaming when using line-in paging source in AXIS Audio Manager Edge.

  Applies to: AXIS C1110-E, AXIS C1111-E, AXIS C1210-E, AXIS C1211-E, AXIS C1510, AXIS C1511, AXIS C1610-VE, AXIS C8110 and AXIS C8210

- Corrected an issue where the device would fail to boot in high temperature environments.

  Applies to: AXIS M1135 MK II, AXIS M1135-E MK II, AXIS M1137 MK II and AXIS M1137-E MK II

- Corrected an issue where the device could not pan due to ice build-up in cold weather conditions.

  Applies to: AXIS Q6215-LE and AXIS Q6225-LE

- Updated the behavior of the front LED so that it no longer lights up during product start-up and that the color of the LED is according to the pre-defined events for SIP, live stream active and recording.

  Applies to: AXIS C1310-E MK II

AXIS OS 11.11.155

Release date: 2025-06-03

Corrections

- Corrected an issue where the device would fail to boot in high temperature environments.

Applies to: AXIS M1135 MK II, AXIS M1135-E MK II, AXIS M1137 MK II and AXIS M1137-E MK II

AXIS OS 11.11.148

Release date: 2025-04-29

Cybersecurity updates

- Updated expat-2.6.4, addressing OpenSource *CVE-2024-8176*.

- Addressed Axis *CVE-2025-0325*. This CVE will be externally disclosed on 2 June 2025, more detailed information will follow then. For more information, please visit the *Axis vulnerability management portal*.

Product specific features

Hardware modifications have been made to proactively prepare for the new NDAA 23 regulations that will be required in 2028. You will find more information about *NDAA Compliance* on axis.com. In AXIS OS knowledge base, you will find more about the *hardware changes*. The hardware ID can be found in Plain config > Properties > System > Hardware ID.

- Products with Hardware IDs A1D and A1E only support active track 12.4.59 and later, as well as LTS 2024 version 11.11.148 and later, and LTS 2022 version 10.12.280 and later.

  Applies to: AXIS M7116 and AXIS P7316

Corrections

- Updated time zone database version to 2025b.

- Improved stability of the "focusd" and "maskd" daemons when handling oversized messages.

- Corrected a logging out issue when using an OpenID Connect user.

- Corrected an issue where the password was not hidden in the input field for ACAP applications.

- Corrected memory leaks in the mdns-sd-confd process, reducing memory consumption and improving system stability.

- Corrected an issue in recording-indexer caused by corrupt database version.

- Corrected an issue where the RTSPS certificate was changed after a standard software upgrade.

- Corrected an issue where weak ciphers were used in SMTP mail notifications, improving the security of email communications.

- Corrected an issue where SMTP DATA messages were incorrectly terminated, causing compatibility issues with strict SMTP servers like Postfix.

- Improved stability of the "lightlogic" daemon.

- Improved system stability by addressing a potential memory leak in the Video-Object-Detection process.

  Applies to: AXIS I7010-VE, AXIS I7010-VE SAFETY, AXIS I7020, AXIS I8116-E, AXIS M1055-L, AXIS M1075-L, AXIS M2035-LE, AXIS M2036-LE, AXIS M3085-V, AXIS M3086-V, AXIS M3088-V, AXIS M3125-LVE, AXIS M3126-LVE, AXIS M3128-LVE, AXIS M4215-LV/-V, AXIS M4216-LV/-V and AXIS M4218-LV/-V

- Corrected an issue where manual calibration web page failed to load.

  Applies to: AXIS D101-A XF P3807, AXIS EXCAM XF P3807 and AXIS P3807-PVE

- Solved an issue with z-wave event not working correctly.

  Applies to: AXIS M5000-G and AXIS M5075-G

- Corrected an issue where PTZ Autocalibration would sometimes fail despite showing success in the web GUI.

Applies to: AXIS Q6010-E and AXIS Q6100-E

- Corrected an issue preventing PTZ from functioning after a restart when IR is enabled.

  Applies to: AXIS Q6315-LE and AXIS Q6318-LE

- Corrected An Issue With SIP Settings Page Accessibility.

  Corrected an issue preventing the SIP page from loading, ensuring users can access the page without interruption.

  Applies to: AXIS C8110

- Corrected an issue preventing the units from being reachable after a soft restart, requiring a hard restart to recover.

  Applies to: AXIS D3110

- Corrected an issue where changing the radar position/orientation was not registered in the paired camera, ensuring accurate calibration.

  Corrected an issue where radar tracks were not accurately interpreted, resulting in incorrect angle displays on paired camera products.

  Applies to: AXIS P3265-LVE-3

AXIS OS 11.11.141

Release date: 2025-03-17

Features for all products

- Updated the End User License Agreement.

Analytics

- AXIS License Plate Verifier
  - Added the ability to disable VAPIX events.
  - Added SD card status for heartbeat event.
  - Improved handling of SD card storage.
  - Resolved an issue related to HTTPS when integrated with AXIS A91xx I/O Relay Modules, if both the relay module and the camera are set to HTTPS.
  - Improved data caching from older versions.
  - Corrected an issue with 2N integration and direction status events.

Product specific features

- Hardware modifications have been made to proactively prepare for the new NDAA 23 regulations that will be required in 2028. You will find more information about *NDAA Compliance* on axis.com. In AXIS OS knowledge base, you will find more about the hardware changes. The hardware ID can be found in Plain config > Properties > System > Hardware ID.
  - Products with Hardware ID A20 only support active track 12.2.61 and later, as well as LTS 2024 version 11.11.141 and later.

    Applies to: AXIS Q1806-LE
  - Products with Hardware ID A21 and A22 only support active track 12.2.61 and later, as well as LTS 2024 version 11.11.141 and later.

    Applies to: AXIS P1387/-B/-BE/-LE and AXIS P1388/-B/-BE/-LE

Cybersecurity updates

- Updated OpenSSL to version 1.1.1zb and 3.0.16 to increase overall cybersecurity level.

- Updating OpenSSH to version 9.9p2, addressing *CVE-2025-26466*.

- Updated libxml2 to version 2.13.3, addressing *CVE-2024-56171*, *CVE-2025-24928* and *CVE-2025-27113*.

- Updated cURL to version 8.12.0, addressing *CVE-2025-0725*, *CVE-2025-0665* and *CVE-2025-0167*.

- Updated cURL to version 8.12.1 to improve cybersecurity.

- Addressed *CVE-2025-0361* and *CVE-2024-47261*. These CVEs will be externally disclosed on 8 April 2025, more detailed information will follow then. For more information, please visit the *Axis vulnerability management portal*.

- Addressed *CVE-2025-0324*. This CVE will be externally disclosed on 2 June 2025, more detailed information will follow then. For more information, please visit the *Axis vulnerability management portal*.

- Addressed *CVE-2024-46981*.

- Addressed *CVE-2024-51741*.

- Addressed *BIT-redis-2024-51741*.

Corrections

- Corrected a Recording Page Crash on Invalid Filter Input.

- Corrected an issue with incorrect headers when sending image via proxy.

- Updated time zone database version to 2025a.

- Corrected an issue where audio stopped working when using transmit.cgi and a content length of zero.

- Corrected an issue that prevented manual IR light activation in certain situations.

- Corrected an issue where the browser selected Simplified Chinese automatically while it should have selected the Traditional Chinese.

- Updated the behavior of the front LED so that it no longer lights up during product start-up.

  Applies to: AXIS C1310-E

- Corrected an issue where shock detected event was triggered when IR-cut filter was turned on/off.

  Applies to: AXIS Q1805-LE and AXIS Q1806-LE

AXIS OS 11.11.136

Release date: 2025-02-10

Cybersecurity updates

- Addressed *CVE-2024-47261*. This CVE will be externally disclosed on 4 March 2025, more detailed information will follow then. For more information, please visit the *Axis vulnerability management portal*.

Product specific features

- Updated the End User License Agreement.

  Applies to: AXIS A8207-VE/Mk II, AXIS I7010-VE, AXIS I7020, AXIS I8016-LVE and AXIS I8116-E

AXIS OS 11.11.135

Release date: 2025-02-10

Features for all products

- The beta tag is removed from the Certificate APIs in the Device Configuration API.

Cybersecurity updates

- Addressed *CVE-2025-0359*, *CVE-2025-0360* and *CVE-2024-47259*. These CVEs will be externally disclosed on 4 March 2025, more detailed information will follow then. For more information, please visit the *Axis vulnerability management portal.*

- Updated glib, addressing *CVE-2024-52533*.

- Updated cURL to version 8.11.1 to increase overall cybersecurity level.

Analytics updates

- AXIS License Plate Verifier

  Applies to: AXIS P1445-LE-3, AXIS P1455-LVE-3, AXIS P1465-LE-3, AXIS P3245-LVE-3 and AXIS P3265-LVE-3

  - Added plate confidence to VAPIX events.

  - Updated the Genetect Integration with new data, vehicle direction, device location Latitude/Longitude, vehicle type and color, country and region.

  - Corrected an issue with Update status event images and storage.

  - Corrected an issue where Push Events were not received in TCP, in combination with proxy function.

  - Corrected an issue with Slovakian plates where a T would be read as an I.

  - Corrected an issue with country classification for Canadian number plates.

  - Corrected an issue with User Interface cached pages.

Product specific features

- Hardware modifications have been made to proactively prepare for the new NDAA 23 regulations that will be required in 2028. You will find more information about *NDAA Compliance* on axis.com. In AXIS OS knowledge base, you will find more about the *hardware changes*. The hardware ID can be found in Plain config > Properties > System > Hardware ID.

  - Products with Hardware ID A16, A17 and A18 only support upcoming active track 12.3 and later, as well as LTS 2024 version 11.11.135 and later, and LTS 2022 version 10.12.291 and later.

    Applies to: AXIS M5074, AXIS M5075 and M5075-G

  - Products with Hardware ID A14 and A15 only support active track AXIS OS 12.1 and later, as well as LTS 2024 version 11.11.135 and later.

    Applies to: AXIS P3738-PLE and AXIS P4708-PLVE

- Added support for AXIS T61 Mk II Audio and I/O Interface module.

  Applies to: AXIS P3245-LVE-3

Corrections

- Corrected an issue in the Auto Speaker Test when performing Re-calibration.

- Corrected problem where WebRTC streaming did not work in some situations.

- Improved time.cgi API to only display valid time zones, removing obsolete options.

- Corrected an issue causing high RAM usage of the metadata process, improving overall system performance.

- Corrected an issue where configuring both PTZ unit and Multidirectional camera to "HTTPS only" prevented manual PTZ positioning calibration.

- Corrected an issue when midspan is used, the device network interface doesn't go up again after MACsec is deactivated on the switch.

- Corrected an issue that occurred when importing ECC keys using Trusted Platform Module (TPM) for secure key storage.

  Applies to: All products with SecureKeystore feature

- Corrected an issue with dark image in low light.

  Applies to: AXIS M3125-LVE, AXIS M3126-LVE, AXIS M3128-LVE, AXIS M4215-LV/-V and AXIS M4218-LV/-V

- Updated support for AXIS T61 Mk II Audio and I/O Interface devices.

  Applies to: AXIS P3265-LVE-3

- Corrected an issue that allowed the heater to start in low power mode after an upgrade.

  Applies to: AXIS Q1805-LE, AXIS Q1806-LE and AXISQ1808-LE

- Corrected an intermittent focus issue that sometimes caused blurry images when using wide-angle or partial zoom modes.

  Applies to: AXIS Q6315-LE and AXIS Q6318-LE

- Corrected an issue where the device would reboot unexpectedly when enabling IR (Infrared) and using optical zoom simultaneously.

  Applies to: AXIS Q6315-LE

- Corrected an issue where the camera could move out of control if it received multiple rapid preset calls.

  Applies to: AXIS Q8752-E

AXIS OS 11.11.131

Release date: 2024-12-27

Corrections

- Corrected an intermittent focus issue that sometimes caused blurry images when using wide-angle or partial zoom modes.

  Applies to: AXIS Q6315-LE

AXIS OS 11.11.128

Release date: 2024–12–18

Product specific features

- Hardware modifications have been made to proactively prepare for the new NDAA 23 regulations that will be required in 2028. You will find more information about *NDAA Compliance* on axis.com. In AXIS OS knowledge base, you will find more about the *hardware changes*. The hardware ID can be found in Plain config > Properties > System > Hardware ID.
  - Products with Hardware ID A09 only support active track 12.1.60 and later, as well as LTS 2024 version 11.11.128 and later.

    Applies to: AXIS M3128-LVE

Corrections

- Increased the default amount of audio clips from 10 to 20

  Applies to: AXIS D3110.

- Corrected an occasional problem with Wide Dynamic Range (WDR) functionality.

Applies to: AXIS M3088-V, AXIS M3128-LVE and AXIS M4218-LV/-V

- Corrected an issue with dark image in low light.

  Applies to: AXIS M3125-LVE, AXIS M3126-LVE, AXIS M3128-LVE, AXIS M4215-LV/-V and AXIS M4218-LV/-V

AXIS OS 11.11.127

Release date: 2025–12–06

Product specific features

Hardware modifications have been made to proactively prepare for the new NDAA 23 regulations that will be required in 2028. You will find more information about *NDAA Compliance* on axis.com. In AXIS OS knowledge base, you will find more about the *hardware changes*. The hardware ID can be found in Plain config > Properties > System > Hardware ID.

– Products with Hardware ID A08 only support active track 12.1.60 and later, as well as LTS 2024 version 11.11.127 and later, and LTS 2022 version 10.12.270 and later.

  Applies to: AXIS M3088-V

– Products with Hardware ID A07 only support active track 12.1.60 and later, as well as LTS 2024 version 11.11.127 and later.

  Applies to: AXIS M4218-V and AXIS M4218-LV

Corrections

- Corrected an occasional problem with Wide Dynamic Range (WDR) functionality.

  Applies to: AXIS M3088-V , AXIS M3128-LVE and AXIS M4218-V/-LV

AXIS OS 11.11.126

Release date: 2024–12–02

Corrections

- Added support for AXIS T61 Mk II Audio and I/O Interface module.

  Applies to: AXIS P3245-LVE-3

- AXIS Audio Manager Edge: Corrected an issue where certain music sources could be unintentionally muted during volume adjustment.

  Applies to: AXIS C1110-E, AXIS C1111-E, AXIS C1210-E, AXIS C1211-E, AXIS 1510, AXIS C1511, AXIS C1610-VE, AXIS C8110 and AXIS C8210

AXIS OS 11.11.124

Release date: 2024-11-25

Cybersecurity updates

- Addressed *CVE-2024-8772*. This CVE will be externally disclosed on 26 November 2024 as part of our ongoing commitment to cybersecurity. Detailed information will follow then. For more information, please visit the *Axis vulnerability management portal*.

- Updated wpa-supplicant to version 2.11 to increase overall cybersecurity level.

- Restricted access to param.cgi so that only authorized administrators can configure privacy masks.

Analytics updates

- AXIS License Plate Verifier

    Applies to: AXIS P1445-LE-3, AXIS P1455-LE-3, AXIS P1465-LE-3, AXIS P3245-LVE-3 and AXIS P3265-LVE-3

    – Improved on Australian libraries with extended plate formats to increase license plate reads for Custom/Personalized plates.

    – Improved on Mexican libraries with characters that are situated very close to the frame of the license plate.

    – Corrected a stability issue related to Australia and New Zealand region number plates.

    – Corrected an issue with max character filter.

    – Corrected an issue with Singapore region which was not listed in some camera models.

Product specific features

Hardware modifications have been made to proactively prepare for the new NDAA 23 regulations that will be required in 2028. You will find more information about *NDAA Compliance* on axis.com. In AXIS OS knowledge base, you will find more about the *hardware changes*. The hardware ID can be found in Plain config > Properties > System > Hardware ID.

– Products with Hardware ID 9FA and 9F9 only support LTS 2024 11.11.124 and later.

    Applies to: AXIS P1385, AXIS P1385-B, AXIS P1385-BE and AXIS P1385-E

– Products with Hardware ID 9FC, 9FD and 9FE only support active track 12.1.60 and later, as well as LTS 2024 version 11.11.124 and later.

    Applies to: AXIS P1465-LE 9mm, AXIS P1465-LE 29mm and AXIS P1465-LE-3

– Products with Hardware ID 9FB only support active track 12.0.91 and later, as well as LTS 2024 11.11.124 and later.

    Applies to: AXIS Q1805-LE

Corrections

- Corrected an issue where SSH and network share users were removed after upgrade.

- Corrected an issue where the image upload file naming was not correct.

- Corrected a problem with gaps in the exported Matroska files when they were recorded at 50/60 FPS.

- Improved "Start Recording" functionality to prevent simultaneous continuous recording.

- Corrected an issue with virtual inputs.

    Applies to: AXIS I8016-LVE

- Corrected an issue with audio microphone pairing.

    Applies to: AXIS P1385, AXIS P1387 and AXIS P1388

- Corrected an intermittent issue with low image quality and bitrate in RTSP-streams, when using Zipstream in combination with PTZ commands.

    Applies to: All products based on and with PTZ support.

- Corrected an issue where the incorrect MAC address was shown.

    Applies to: AXIS Q1808-LE

AXIS OS 11.11.120

Release date: 2024-10-28

Corrections

- Corrected an issue with playing profiles with durations, ensuring consistent behavior for light and sound effects.

  Applies to: AXIS D4100-E

- Corrected an issue that caused devices to stop sending video to the VMS after a restart.

  Corrected an issue that could cause the device to stop responding if the video processing system was stopped unexpectedly.

  Applies to: AXIS M1075-L

- Corrected an issue where recording stopped after upgrade if global proxy was set on the recorder.

  Corrected a issue where SSH and network share users were removed after an upgrade.

  Applies to: AXIS S3008. AXIS S3008 MK IIand AXIS S3016

AXIS OS 11.11.117

Release date: 2024-10-11

Corrections

- Corrected an issue with virtual inputs.

  Applies to: AXIS A8207-VE, AXIS A8207-VE Mk II, AXIS I7010-VE, AXIS I8016-LVE and AXIS I8116-E

AXIS OS 11.11.116

Release date: 2024-10-11

Cybersecurity updates

- Updated cURL to version 8.10.1 to increase overall cybersecurity level.
- Updated OpenSSL to version 3.0.15, addressing *CVE-2024-6119* and *CVE-2024-5535*
- Updated OpenSSL to version 1.1.1za, addressing *CVE-2024-5535*.
- Addressed *CVE-2024-8160*. This CVE will be externally disclosed on 26 November 2024, as part of our ongoing commitment to cybersecurity. Detailed information will follow then. For more information, please visit the *Axis vulnerability management portal*.
- Updated expat (libexpat1) to version 2.6.2, addressing *CVE-2024-45490*, *CVE-2024-45491* and *CVE-2024-45492*.
- Updated h2 servers, addressing *RUSTSEC-2024-0332*.
- Updated libxml2 to version 2.12.8, addressing *CVE-2024-34459*.
- Updated ncurses (libtinfo5), addressing *CVE-2023-45918*.
- Updated ncurses (libncursesw5), addressing *CVE-2023-50495*.
- Improved stability and reliability of the certificate management service.

Analytics updates

- AXIS Object Analytics
  - Improved the number of false alarms for static scenes in Axis Object Analytics.

    Applies to: D201-S XPT Q6075, ExCam XPT Q6075, AXIS F9104-B Main Unit,
    AXIS F9111 Main Unit, AXIS F9114/-B Main unit,AXIS P3245-LV/-LVE, AXIS P5654-E/-E Mk II,
    AXIS P5655-E, AXIS P5676-LE, AXIS Q1951-E, AXIS Q1952-E, AXIS Q6074/-E,

AXIS Q6075/-E/-S/-SE, AXIS Q6078-E, AXIS Q6135-LE, AXIS Q6225-LE, AXIS Q6315-LE, AXIS Q6318-LE and AXIS Q8615-E

Note that not all products support AXIS Object Analytics. Note that not all products support AXIS Object Analytics. For more information on compatible products and features, visit the *AXIS Object Analytics*.

Corrections

- Corrected an issue with malformed XML data in the metadata stream.

- Corrected an issue where it was not possible to enable DST using root.Time.DST.Enabled.

- Increased the possible maximum length of the MQTT overlay key.

- Changed the indicated LED from green to off during normal operation.

  Applies to: AXIS C1110-E, AXIS C1111-E, AXIS C1210-E, AXIS C1211-E, AXIS C1310-E Mk II, AXIS C1410 Mk II, AXIS C1510, AXIS C1511, AXISC1610-VE and AXIS XC1311

- Improved system stability by resolving memory leaks in audio service during RTSP connection openings and closures, reducing the risk of crashes.

  Applies to: AXIS C1110-E, AXIS C1111-E, AXIS C1310-E, AXIS C1310-E Mk II, AXIS C1410, AXIS C1410 Mk II, AXIS C1610-VE, AXIS C8110, AXIS C8210 and AXIS XC1311

- Corrected an issue where the camera stopped streaming and the web interface became inaccessible.

  Applies to: AXIS M3085-V, AXIS M3088-V, AXIS M4215-LV/-V and AXIS M4218-LV/-V

- Corrected an issue which caused timestamps of analytics scene description frames to be out of sync with the video.

  Applies to: AXIS Q1656-DLE and AXIS Q1686-DLE

- Corrected an issue with the video not being updated using the new web interface.

  Applies to: AXIS Q6215-LE

- Corrected an issue where the product could become unavailable over the network after a reboot or a firmware upgrade.
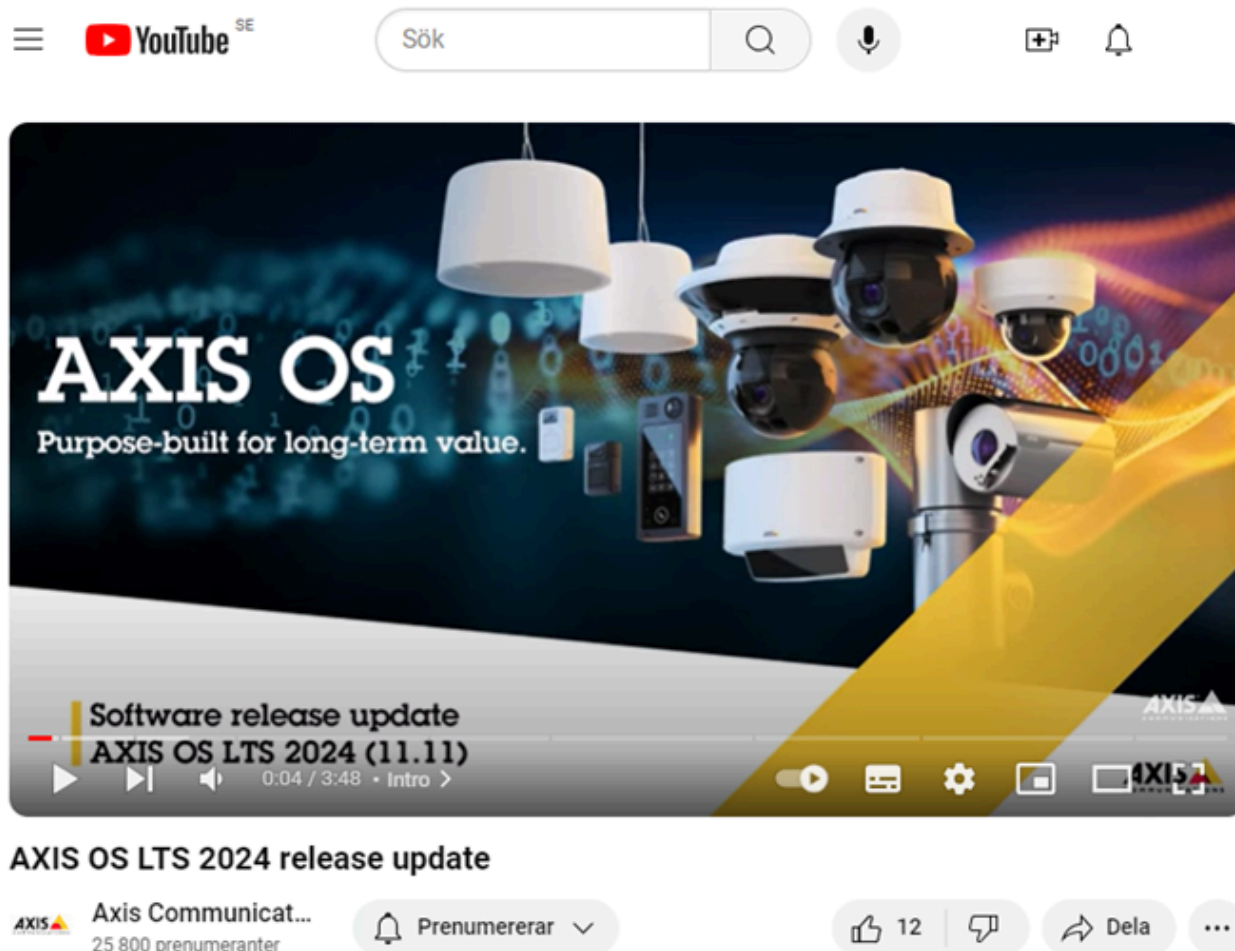
  Applies to: AXIS S3016

- Corrected an issue where the camera could move out of control if it received multiple rapid preset calls.

  Applies to: AXIS Q8752-E

AXIS OS 11.11.109

Release date: 2024-09-10 – 2024-09-18

AXIS OS LTS 2024 release update

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The first release of AXIS OS LTS 2024 is out. Watch the *release update video* that summarizes the highlights, or read through the complete list of changes below.

Important

A critical issue has been identified when upgrading from latest AXIS OS LTS 2022 10.12.252 to any version other than LTS 2024 11.11.109, on certain Axis products.

This affects: AXIS D3110, AXIS W400, AXIS D4100-E, AXIS M3215-LVE, AXIS M3216-LVE, AXIS P1467-LE, AXIS P1468-LE, AXIS P3265-LV, AXIS P3265-LVE, AXIS P3265-V, AXIS P3267-LV, AXIS P3267-LVE, AXIS P3268-LV, AXIS P3268-LVE, AXIS P3268-SLVE, AXIS Q1656, AXIS Q1656-B AXIS Q1656-BE, AXIS Q1656-BLE, AXIS Q1656-LE, AXIS Q3536-LVE, AXIS Q3538-LVE, AXIS Q3538-SLVE and AXIS S3008.

Example: If you upgrade from 10.12.252 to 11.11.73, the product will become unusable and completely inaccessible. To minimize the damages, we have unpublished AXIS OS 10.12.252 for the above products.

Upgrading from 10.12.252 to 11.11.109 directly works fine. We are working to solve this issue.

After upgrading to 11.11.109, do not perform a factory default and try to downgrade to another version. This will render your product unusable and inaccessible. A fix for this issue is planned for the upcoming 11.11 LTS release.

If you are experiencing this matter with your device please contact *Axis Technical Services* for help.

New products

- AXIS M3125-LVE

- AXIS M3126-LVE

- AXIS M3128-LVE

Features for all products

- Changed the firewall default policy to "Allow" to prevent accidental lockouts when activating the firewall.

- Added support for selecting MQTT client status as a condition when creating event rules.

Cybersecurity updates

- Updated Apache to version 2.4.62, addressing *CVE-2024-40725* and *CVE-2024-40898*.

- Updated libssh2 to version 1.11.0, addressing *CVE-2023-48795*.

- Updated OpenSSH to version 9.8p1, addressing *CVE-2024-6387*.

- Addressed *CVE-2024-6509* and *CVE-2024-6979*. For more information, please visit the *Axis vulnerability management portal*.

- Addressed *CVE-2024-7784*. For more information, please visit the *Axis vulnerability management portal*.

  Note that downgrading the product to an older AXIS OS version is not possible.

  Applies to: Products base on , ,,, and

Analytics updates

- AXIS License Plate Verifier 2.12.8
  - Improved stability and memory optimization.

  - Improved on state recognition for USA number plates where stuck letters such as FT or LR could affect the state recognition of the plate.

  - Improved the libraries for Austrian number plates.

  - Added support for Singapore license plates.

  - Added support for the new license plate prefix region MUC for German license plates.

  - Corrected an issue with too many descriptor files open in buffered events.

  - Corrected an issue for Push Events, wrong value in the Lost event in Unicode filed (umlauts).

  - Corrected an issue when saving sensitivity setting value.

  - Corrected an issue when camera switches between day and night mode.

  - Corrected an issue when the default HTTP/HTTPS port is changed on the camera.

Product specific features

- AXIS Audio Manager Edge: Corrected an issue where streaming from Royal Streaming was not working correctly.

- Improved Radar pairing function stability and introducing automatic reconnect if the connection between the radar and camera drops. Applies to: AXIS D2210-VE, AXIS P1465-LE-3, AXIS P3265-LE-3 and AXIS Q1700-LE

Corrections

- Removed example private keys, previously intended for demonstration purposes only, to address security scanner findings.

- Corrected an issue where it was not possible to upgrade from AXIS OS version 8.20 or older.Applies to: Products based on

- Changed the indicated LED from green to off during normal operation.Applies to: AXIS C1110-E, AXIS C1111-E, AXIS C1210-E, AXIS C1211-E, AXIS C1310-E Mk II, AXIS C1410 Mk II, AXIS C1510, AXIS C1511, AXIS C1610-VE and AXIS XC1311

- Corrected an issue with radar stream orientation when the camera video stream was rotated.Limitation: The radar video stream will always match the camera rotation. If the camera stream is rotated, the radar live view will rotate as well.Applies to: AXIS D2110-VE, AXIS D2210-VE, AXIS P1465-LE-3, AXIS P3265-LE-3 and AXIS Q1700-LE

- Corrected an issue where AXIS TU8003 was not working correctly. Applies to: AXIS P3737-PLE, AXIS P3747-PLVE and AXIS P3748-PLVE

- Corrected an issue where a3dpc API did not work correctly from the DAX ACAP. Applies to: AXIS P8815-2

- Corrected an issue where recordings stopped working when global proxy was set on the recorder. Applies to: AXIS S3008, AXIS S3008 Mk II and AXIS S3016

- Corrected an issue where audio was not being transmitted correctly over HDMI.Applies to: AXIS Q1715

- Corrected an issue where the focus calibration did not work correctly in the web interface. Applies to: AXIS Q6010-E and AXIS Q6100-E

The following products will remain on LTS 2024, which means they will have this track as their final track and will not receive AXIS OS 12.

• AXIS A8207-VE • AXIS C1310-E • AXIS C1410 • AXIS M3057-PLVE Mk II • AXIS M3068-P • AXIS M3067-P • AXIS P1375/-E • AXIS P1377/-LE • AXIS P1378/-LE • AXIS P1445-LE/-LE-3 • AXIS P1447-LE • AXIS P1448-LE • AXIS P1455-LE/-LE-3 • AXIS P3227-LV/-LVE • AXIS P3228-LV/-LVE	• AXIS P3245-LV/-LVE/-LVE-3 • AXIS P3245-V/-VE • AXIS P3247-LV/-LVE • AXIS P3248-LV/-LVE • AXIS P3255-LVE • AXIS P3715-PLVE • AXIS P3717-PLE • AXIS P3719-PLE • AXIS P3727-PLE • AXIS P3807-PVE • AXIS P8815-2 • AXIS Q1645/-LE • AXIS Q1647/-LE • AXIS Q1659 • AXIS Q1700-LE	• AXIS Q1785-LE • AXIS Q1786-LE • AXIS Q3515-LV/-LVE • AXIS Q3517-LV/-LVE/SLVE • AXIS Q3518-LVE • AXIS Q3527-LVE • AXIS Q6010-E • AXIS Q6100-E • AXIS Q6215 • D101-A XF P3807 • ExCam XF P1377 • ExCam XF Q1645 • ExCam XF P3807 • F101-A XF P1377 • F101-A XF Q1785 • XP40-Q1785

The following products will remain on LTS 2024, meaning they will have this track as their final track and will not receive AXIS OS 12. However, they will continue to receive Product-specific support (PSS) after the end of LTS 2024 until 2031-12-31.

• AXIS D3110 • AXIS D4100 • AXIS M3077-PLVE	• AXIS Q1951-E • AXIS Q1952-E • AXIS Q9216-SLV

AXIS OS 11 Archived Release Notes

If you're looking for release notes from earlier versions of AXIS OS 11 active track, you can find them *here*.

LTS 2022 - 10.12

Support phase: 2022 – 2027-12-31

Go to for a list of products on this track.

Release notes for older versions of AXIS OS 10 can be found *here.*

AXIS OS 10.12.300

Release date: 2025-08-25

Cybersecurity updates

- Updated OpenSSL to version 1.1.1zc to increase overall cybersecurity level.

- Updated cURL to version 8.14.1, addressing *CVE-2025-5399.*

- Updated Apache to version 2.4.65 to increase overall cybersecurity level.

- Updated FFmpeg versions to version 4.4.6 to increase overall cybersecurity level.

Corrections

- Corrected an issue with HTTP notifications failing due to permission errors.

- Corrected an issue where remounting an encrypted SD card could cause an illegal state if done incorrectly.

- Corrected an issue where SMTP DATA messages did include additional not needed null characters.

- Corrected an issue where Always Multicast would stop and not recover when a sensor signal was lost over the serial link.

  Applies to: AXIS F9114 MAIN UNIT and AXIS F9114-B MAIN UNIT

- Improved Cold Boot Stability for i-CS system lens.

  Corrected an issue where the device would fail to boot in high temperature environments.

  Applies to: AXIS M1135 MK II, AXIS M1135-E MK II, AXIS M1137 MK II and AXIS M1137-E MK II

AXIS OS 10.12.291

Release date: 2025-06-19

Product specific features

- Hardware modifications have been made to proactively prepare for the new NDAA 23 regulations that will be required in 2028. You will find more information about *NDAA Compliance* on axis.com. In AXIS OS knowledge base, you will find more about the *hardware changes.* The hardware ID can be found in Plain config > Properties > System > Hardware ID.
  - Products with Hardware IDs A16, A17 and A18 only support active track 12.3.56 and later, as well as LTS 2024 version 11.11.135 and later, and LTS 2022 10.12.291 and later.

    Applies to: AXIS M5074, AXIS M5075 and AXIS M5075-G

AXIS OS 10.12.289

Release date: 2025-06-02

Features for all products

- Updated time zone database version to 2025b.

Cybersecurity updates

- Updated OpenSSH to version 10.0p1.
- Addressed *CVE-2025-32728*.

Corrections

- Improved stability of the focus daemon when handling oversized messages.
- Corrected an issue in recording-indexer caused by corrupt database version.
- Corrected an issue with the disk event triggers where they were not triggering again after restarting the device.
- Corrected an issue where SMTP DATA messages were incorrectly terminated, causing compatibility issues with strict SMTP servers like Postfix.
- Corrected an issue preventing the units from being reachable after a soft restart, requiring a hard restart to recover.

  Applies to: AXIS D3110 and AXIS W400

- Improved stability of the "lightlogic" daemon.

AXIS OS 10.12.280

Release date: 2025-03-24

Features for all products

- Updated the End User License Agreement.

Cybersecurity updates

- Updated cURL to version 8.12.1 to improve cybersecurity.
- Updated OpenSSL to version 1.1.1zb to increase overall cybersecurity level.
- Updated OpenSSH to version 9.9p2, addressing *CVE-2025-26466*.
- Updated libxml2 to version 2.13.3, addressing *CVE-2024-56171* and *CVE-2025-24928*.
- Addressed *CVE-2024-47261*. This CVE will be externally disclosed on 8 April 2025. More detailed information will follow then. For more information, please visit the *Axis vulnerability management portal*.
- Addressed *CVE-2025-0325*. This CVE will be externally disclosed on 2 June 2025, more detailed information will follow then. For more information, please visit the *Axis vulnerability management portal*.

Product specific features

Hardware modifications have been made to proactively prepare for the new NDAA 23 regulations that will be required in 2028. You will find more information about *NDAA Compliance* on axis.com. In AXIS OS knowledge base, you will find more about the *hardware changes*. The hardware ID can be found in Plain config > Properties > System > Hardware ID.

- Products with Hardware IDs A1D and A1E only support active track 12.4.59 and later, as well as LTS 2024 version 11.11.148 and later, and LTS 2022 version 10.12.280 and later.

  Applies to: AXIS M7116 and AXIS P7316

Corrections

- Fixed Always Multicast Startup Failure.
- Corrected an issue with events using IPv6 recipient.
- Corrected an issue with incorrect headers when sending image via proxy.
- Updated time zone database version to 2025a.
- Corrected an issue where audio stopped working when using transmit.cgi and a content length of zero.

- Improved system stability by addressing a potential memory leak in the Video-Object-Detection process.

  Applies to: AXIS M2035-LE, AXIS M2036-LE, ÄXIS M3085-V, AXIS M3086-V, AXIS M3088-V and M4216-LV/-V

- Corrected an issue where the camera could move out of control if it received multiple rapid preset calls.

  Applies to: AXIS Q8752-E

AXIS OS 10.12.270

Release date: 2025-01-27

Product specific features

- Hardware modifications have been made to proactively prepare for the new NDAA 23 regulations that will be required in 2028. You will find more information about *NDAA Compliance* on axis.com. In AXIS OS knowledge base, you will find more about the *hardware changes*. The hardware ID can be found in Plain config > Properties > System > Hardware ID.
  - Products with Hardware ID A08 only support active track 12.1.60 and later, as well as LTS 2024 version 11.11.127 and later, and LTS 2022 version 10.12.270 and later.

    Applies to: AXIS M3088-V

Cybersecurity updates

- Updated cURL to version 8.11.1 to increase overall cybersecurity level.

- Updated glib, addressing *CVE-2024-52533*.

- Addressed *CVE-2024-47260* and *CVE-2024-47262*. These CVEs will be externally disclosed on 4 March 2025. More detailed information will follow then. For more information, please visit the *Axis vulnerability management portal*.

Corrections

- Improved "Start Recording" functionality to prevent simultaneous continuous recording.

- Corrected an issue that occurred when importing ECC keys using Trusted Platform Module (TPM) for secure key storage.

  Applies to: All products with SecureKeystore feature

- Corrected a focus issue.

  Applies to: AXIS P1377/-E

- Corrected an intermittent focus issue that sometimes caused blurry images when using wide-angle or partial zoom modes.

  Applies to: AXIS Q6315-LE and AXIS Q6318-LE

- Corrected an issue where the device would reboot unexpectedly when enabling IR (Infrared) and using optical zoom simultaneously.

  Applies to: AXIS Q6315-LE

- Corrected an issue with unexpected reboots when enabling IR and using optical zoom simultaneously.

  Applies to: AXIS Q6315-LE

- Corrected an issue where the device would display a black screen when switching from wall to ceiling mounting mode.

  Applies to: AXIS Q3819-PVE

AXIS OS 10.12.262

Release date: 2024-11-18

Cybersecurity updates

- Addressed *CVE-2024-8772*. This CVE will be externally disclosed on 26 November 2024 as part of our ongoing commitment to cybersecurity. Detailed information will follow then. For more information, please visit the *Axis vulnerability management portal*.

- Addressed *CVE-2023-21418*. For more information, please visit the *Axis vulnerability management portal*.

- Updated libxml2, addressing *CVE-2023-45322* and *CVE-2024-25062*.

- Updated busybox, addressing *CVE-2022-48174*.

- Updated zlib (libz1), addressing *CVE-2023-45853*.

- Restricted access to param.cgi so that only authorized administrators can configure privacy masks.

- Updated wpa-supplicant to version 2.11 to increase overall cybersecurity level.

- Corrected an issue with certificates, where the certificate name was used as the identity.

Corrections

- Corrected an issue where Client Stream Data showed wrong FPS as viewer.

  Limitation: FPS restriction is removed when adaptive stream is enabled for viewers.

- Corrected an issue where # in network sharing passwords was not supported.

- Corrected an issue where mounting network share with 'space' character in the name was not working correctly.

- Corrected an issue where network share recipient hostname with '-' character was not working correctly.

- Corrected an issue where it sometimes was not possible to change encryption password after reset and format of the edge storage.

- Corrected a focus setting issue that prevented users from accessing certain functionalities, such as open iris to set focus, autofocus, and resetting functions, when using a DC iris with the camera.

  Applies to: AXIS P1375, AXIS P1377, AXIS P1378, AXIS Q1645, AXIS Q1645-LE, ExCam XF P1377, ExCam XF Q1645 and F101-A XF P1377

- Addressed unintended presence of Electronic Image Stabilization (EIS) settings in the web interface.

  Applies to: AXIS Q1659

AXIS OS 10.12.257

Release date: 2024-10-11

Cybersecurity updates

- Updated cURL to version 8.10.1 to increase overall cybersecurity level.

- Updated OpenSSL to version 1.1.1za to increase overall cybersecurity level.

- Addressed *CVE-2024-8160*. This CVE will be externally disclosed on 26 November 2024, more detailed information will follow then. For more information, please visit the *Axis vulnerability management portal*.

- Updated expat (libexpat1) version 2.6.2, addressing *CVE-2024-45492*, *CVE-2024-45490* and *CVE-2024-45491*.

- Updated ncurses (libncursesw5), addressing *CVE-2023-50495* and *CVE-2023-29491*.

- Updated ncurses (libtinfo5), addressing *CVE-2023-45918*.
- Improved stability and reliability of the certificate management service.

Corrections

- Corrected an issue where the camera could move out of control if it received multiple rapid preset calls.

  Applies to: AXIS Q8752-E

AXIS OS 10.12.252

Release date: 2024-09-02

Cybersecurity updates

- Updated Apache to version 2.4.62 to increase overall cybersecurity level.
- Updated cURL to version 8.9.0 to increase overall cybersecurity level.
- Updated libssh2 to version 1.11.0 to increase overall cybersecurity level.
- Updated OpenSSL to version 1.1.1y to increase overall cybersecurity level.
- Updated OpenSSH to version 9.8p1 to increase overall cybersecurity level.
- Addressed a vulnerability allowing DHCPv6 lease injection through unvalidated input parameters.
- Removed example private keys, previously intended for demonstration purposes only, to address security scanner findings.
- Addressed CVE-2023-52160 in wpa-supplicant to increase overall cybersecurity level.
- Addressed CVE-2024-0067, CVE-2024-6173, CVE-2024-6509. For more information, please visit the *Axis vulnerability management portal* .
- Addressed CVE-2024-7784. Please note that downgrading the product to an older AXIS OS version is not possible. For more information, please visit the *Axis vulnerability management portal*.Applies to: All products base on , ,, , and

Corrections

- Corrected an issue causing stream crashes via CGI input with invalid float values.Applies to: AXIS Q3515-LV/-LVE, AXIS Q3517-LV/-LVE/-SLVE and AXIS Q3527-LVE
- Corrected an issue that was preventing images from being successfully sent via SFTP.Applies to: AXIS Q6075-E and AXIS Q6135-LE
- Corrected an issue in the Event system where a faulty event topic filter could cause log messages to flood as well as prevent RTSP metadata streams from opening correctly.
- Corrected an issue with malformed XML data in the metadata stream.

AXIS OS 10.12.240

Release date: 2024-06-17

Cybersecurity updates

- Updated Apache to version 2.4.59 to increase overall cybersecurity level.

Corrections

- Corrected an issue where SSH users who used ssh-copy-id to install their SSH key as authorized on the device would unintentionally still have SSH access after a factory default with keeping IP settings.
- Corrected memory problems for products utilizing AXIS O3C Dispatcher service.
- Corrected an issue where invalid data could crash the Remote Syslog cgi.

AXIS OS 10.12.236

Release date: 2024-05-27

Cybersecurity updates

- Addressed CVE-2024-0066. For more information, please visit the *Axis vulnerability management portal.*
- Updated *cURL to version 8.7.1* to increase overall cybersecurity level.

Corrections

- Corrected an issue where mounting network share with 'space' character in the name was not working correctly.
- The parameter RemoteService.ProxyPassword that controls the proxy password has been masked and made unreadable for security reasons.
- Improved stability of the WSDD (Web Services Dynamic Discovery) by addressing potential unexpected crashes.
- Added DNS cache for O3C client to reduce the DNS lookup.
- Corrected an issue causing gradual increase in Snapshot CGI response time.
- Corrected an issue where # in network sharing passwords was not supported.
- Addressed unintended presence of Electronic Image Stabilization (EIS) settings in the web interface. Applies to: AXIS Q1659
- Corrected an issue where IR light setting was not preserved after camera upgrades.Applies to: AXIS M3057-PLVE, AXIS M3058-PLVE, AXIS P1445-LE, AXIS P1445-LE-3, AXIS P1447-LE, AXIS P1448-LE, AXIS P3227-LV, AXIS P3227-LVE, AXIS P3228-LV, AXIS P3228-LVE, AXIS P3245-LV, AXIS P3245-LVE, AXIS P3717-PLE, AXIS P3719-PLE, AXIS Q1700-LE, AXIS Q1785-LE, AXIS Q1786-LE, AXIS Q3515-LV, AXIS Q3515-LVE, AXIS Q3517-LV, AXIS Q3517-LVE, AXIS Q3517-SLVE, AXIS Q3518-LVE, AXIS Q3527-LVE, and AXIS Q6215-LE

AXIS OS 10.12.228

Release date: 2024-03-12

Cybersecurity updates

- Addressed CVE-2024-0055. For more information, please visit the *Axis vulnerability management portal.*
- Updated OpenSSL to version 1.1.1x to increase overall cybersecurity level.
- Updated *cURL to version 8.6.0* to increase overall cybersecurity level.

Corrections

- Updated mDNS Responder Daemon (mDNSResponder) to version 2200.60.25.0.4, enhancing overall system stability.
- Updated time zone database version to 2024a.
- Corrected an issue where the camera did not return to the start position after being physically forced to pan.
- Extended the number of preset positions for the built-in Pelco driver from 32 to 100. Additionally, introduced a new config option in plain configuration (UserAdv parameter).

AXIS OS 10.12.221

Release date: 2024-01-29

Cybersecurity updates

- Addressed CVE-2023-5800. For more information, please visit the *Axis vulnerability management portal.*

- Updated *cURL to version 8.5.0* to increase overall cybersecurity level.

- Updated *Apache to version 2.4.58* to increase the overall cybersecurity level.

Corrections

- Corrected an issue where it was not possible to add license if the ACAP uses semantic versioning.

- Corrected an issue causing slight waves/vibrations in the image.Applies to: AXIS Q6225-LE

- Addressed various stability issues in the SIP daemon.Applies to: AXIS A8207-VE, AXIS A8207-VE Mk II and AXIS I8016-LVE

AXIS OS 10.12.213

Release date: 2023–11–09

Cybersecurity updates

- Addressed CVE-2023-21418. For more information, please visit the *Axis vulnerability management portal.*

- Addressed CVE-2023-4911. For more information, please visit the *Axis vulnerability management portal.*

- Addressed CVE-2023-5553. Note that downgrading the product to an older LTS 2022 version is not possible. For more information, please visit the *Axis vulnerability management portal.* Applies to: All products based on .

- Updated *cURL to version 8.4.0* to increase overall cybersecurity level.

Corrections

- Corrected an issue preventing I/O notifications to be received from AXIS Companion mobile app.

- Corrected a Pan Tilt Zoom issue using Coaxitron driver.Applies to: AXIS P7304 and AXIS P7316

AXIS OS 10.12.208

Release date: 2023–10–11

Cybersecurity updates

- Updated *cURL to version 8.3.0* to increase overall cybersecurity level.

- Updated OpenSSL to version 1.1.1w to increase the overall cybersecurity level.

- Addressed CVE-2023-21414. Note that downgrading the product to an older LTS 2022 version is not possible except for Q3527-LVE that has support for 9.80 LTS. For more information, please visit the *Axis vulnerability management portal.*Applies to: AXIS A8207-VE Mk II, AXIS Q3527-LVE and all products based on

- Addressed CVE-2023-21415. For more information, please visit the *Axis vulnerability management portal.*

- Addressed CVE-2023-21417. For more information, please visit the *Axis vulnerability management portal.*

Corrections

- Corrected an issue where the Web interface was unintentionally modifying the timezone upon loading, even if the device had been previously configured outside of the Web interface.

- Corrected an issue where focus and zoom option was not available in the web interface.Applies to: AXIS P3245-LV/-LVE

- Radar track IDs now persist across reboots, preventing collisions with previous boots.Increased the maximum track ID limit significantly to prevent track ID repetition from prolonged radar detector usage. Applies to: AXIS D2050-VE

- Corrected an issue that caused slow-motion pattern playback when starting two light profiles simultaneously.Applies to: AXIS D4100-E

AXIS OS 10.12.199

Release date: 2023–08-21

Features

- Added support for AXIS T6101/T6112 Mk II with the same audio and I/O functionality as when combined with AXIS T6101/T6112.Applies to: AXIS M3115-LVE, AXIS M3116-LVE, AXIS M3064-V, AXIS M3065-V, AXIS M3066-V and AXIS M3075-V

Cybersecurity updates

- Updated *cURL to version 8.2.0* to increase overall cybersecurity level.

- Updated OpenSSL to version 1.1.1v to increase the overall cybersecurity level.

Corrections

- Corrected CVE-2023-21413. For more information, please visit the *Axis vulnerability management portal.*

- Added the possibility to Netd Service to preserve the static resolver configuration even after a soft restore, safeguarding static DNS/Search domain settings.

- Updated the mDNS Responder Daemon (mDNSResponder) to version 1790.80.10 to improve system stability.

- Corrected an issue with incorrect trigger of I/O ports, that occurs at upgrade if an AXIS T6101 or AXIS T6112 is connected to the device. Applies to: All products with support for *AXIS T6101 and AXIS T6112*

- Corrected microphone power type when the product is used in combination with AXIS T6101 audio module.Applies to: AXIS P3255-LVE

- Improved stability by addressing a potential memory leak in the remote camera control service.Applies to: AXIS P3818-PVE, AXIS Q3819-PVE, AXIS Q6010-E and AXIS Q6100-E

- Corrected an issue where manual focus was not working correctly via ONVIF command, if using third-party driver.Applies to: AXIS Q1656 and AXIS Q1656-B

- Corrected an issue with Orientation Aid ACAP to be able to move the compass bar correctly via ONVIF commands.Applies to: AXIS Q6135-LE and AXIS Q6315-LE

- Corrected an issue where wiper was not possible to run through ONVIF command.Applies to: AXIS Q8752-E

AXIS OS 10.12.197

Release date: 2023–08-04

Corrections

- Corrected an issue that could bring the camera in an out of focus state. To activate the correction on affected units, an additional restart is required after the upgrade.Applies to: AXIS Q3536-LVE and AXIS Q3538-LVE

AXIS OS 10.12.193

Release date: 2023–07-20

Features

- Improved SNMP Monitoring by adding support for the ipAddressTable OID.

- Updated AXIS License Plate Verifier to version 2.8.4.Applies to: AXIS P3245-LVE-3, AXIS P1455-LE-3 and AXIS P1445-LE-3

- – 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.*

  – Added extra polygons to the Area of Interest for a more flexible coverage of the area.

  – Added the possibility for 2N integration to select the type of event by direction, any, in or out which it can be send to 2N IP device.

  – Added the possibility to set image parameters according to the manual for none AXIS License Plate Verifier kit cameras.

  – Added the possibility to send two images with Push Event, one image will be the license plate crop and the other image will be the same frame as used to be saved with the event under **Settings > Image > Save Full Frame.**

  – Added a new VAPIX event ALPV.Update. This event will be triggered together with metadata for every updated event.

Corrections

- Corrected the focal length limits when using a CS-mount lens with DC-iris.Applies to: AXIS Q1647, AXIS Q1647-LE, AXIS Q1645, AXIS Q1645-LE and ExCam XF Q1645

AXIS OS 10.12.182

Release date: 2023–06–19

Features

- Added support for more than 7 identical streams. The maximum identical streams is equal to the MaxViewers parameter value.

- Enhanced SNMP Monitoring: We resolved a missing TCP sub-tree OID issue in NET-SNMP by adding support for the SNMP TCP MIB object .1.3.6.1.2.1.6. This improvement ensures a smooth and uninterrupted SNMP monitoring experience.

- Improved UPnP compliance by updating the SSDP (Simple Service Discovery Protocol) SERVER header in the standard "OS/version UPnP/1.0 product/version" format and USN (Unique Service Name) field with a UUID in the standard format. This enhances consistency and compatibility.

- Added proxy configuration support to the Owner Authentication Key (OAK) cgi using group root. RemoteService, simplifying setup on networks requiring proxy servers for Internet access and improving the authentication process.

- Updated time zone database version to 2023c.

- Added support for Network speaker pairing (Edge-to-edge technology), enabling synchronization of audio playback.Applies to: AXIS Q6225-LE

Cybersecurity updates

- Updated *Apache to version 2.4.57* to increase the overall cybersecurity level.

- Updated *cURL to version 8.1.0* to increase overall cybersecurity level.

- Updated OpenSSL to version 1.1.1u to increase the overall cybersecurity level.

Corrections

- Corrected an issue with OAK (owner authentication key). It now only produces warnings in the log instead of errors if the device is not able to connect to the internet.

- Corrected an issue where sequence ID modifiers #s and #S were not displaying the expected values.

- Improved performance for video streams when using same configurations.

- Corrected an issue in VDO Api, related to orientation when rotation has been changed.

- Corrected an issue where ONVIF recordings resumed after factory default.

- Updated libupnp to version 1.14.16, fixing a memory leak and improving overall stability.

- Corrected a memory leak in the video service, resulting in improved stability for streaming videos.

- Improved the syslog system stability by fixing a memory leak.

- Corrected an issue where artifacts could appear in the image when WDR is enabled and panning and tilting between different lighting conditions.Applies to: AXIS Q6315-LE

- Improved system reliability. To ensure uninterrupted streaming, we have optimized the response time of requests and increased the MCU's IWDG timeout to prevent restarts caused by unreliable communication.Applies to: AXIS M3205-LVE and AXIS M3206-LVE

- Corrected a focus setting issue that prevented users from accessing certain functionalities, such as open iris to set focus, autofocus, and resetting functions, when using a DC iris with the camera.Applies to: AXIS P1375, AXIS P1377, AXIS P1378, AXIS Q1645, AXIS Q1645-LE, ExCam XF P1377, ExCam XF Q1645 and F101-A XF P1377

- Corrected CVE-2023-21405. For more information, please visit the *Axis vulnerability management portal*.Applies to: AXIS A8207-VE and AXIS A8207-VE Mk II

- Corrected an auto focus issue causing inaccurate coordinates on set focus window.Applies to: AXIS M5074, AXIS M5075/-G, AXIS P3245-LV/-LVE/-V/-VE, AXIS P3245-LVE-3, AXIS P3247-LV/-LVE, AXIS P3248-LV/-LVE, AXIS P3255-LVE, AXIS P5654-E, AXIS P5655-E, AXIS Q1700-LE, AXIS Q1715, AXIS Q1785/-LE, AXIS Q1786-LE, AXIS Q1798-LE, AXIS Q3515-LV/-LVE, AXIS Q3517-LV/-LVE/-SLVE, AXIS Q3518-LVE, AXIS Q3527-LVE, AXIS Q6135-LE, AXIS Q8752-E, ExCam XF Q1785, F101-A XF Q1785, XF40-Q1785 and XP40-Q1785

AXIS OS 10.12.166

Release date: 2023–04–17

Features

- Updated *cURL to version 8.0.1* to increase overall cybersecurity level.

- Updated *Apache to version 2.4.56* to increase the overall cybersecurity level.

- Improved the manager client certificates and added support for installing multiple trust certificates and requesting/installing a second client certificate.

- Products with Hardware ID 971 only support active track 11.4.52 and later, as well as LTS 2022 version 10.12.166 and later. The hardware ID can be found in **Plain config > Properties > System > Hardware ID**. Applies to: AXIS M5075-G

- Added detailed health information from SD cards to the server report, including power cycle statistics and flash wear rates. This improvement allows for a better monitoring of the system's health that can prevent downtime or data loss.

Corrections

- Corrected an issue in mDNS discovery that caused the reported port to be incorrect due to the network byte order not being properly handled. The correct port is now being printed.

- Improved network interface handling to prevent memory leaks and crashes by automatically restarting the web service discovery client daemon (wsdd) when network changes occur, ensuring uninterrupted service.

- Added fallback mode for network hardware that is limited to 10BASE-T and 100BASE-TX transmission. Applies to: All products

- Corrected low-light image quality issues.Applies to: AXIS Q1700-LE, AXIS Q1785-LE, AXIS Q1786-LE, ExCam XF Q1785, F101-A XF Q1785, XF40-Q1785 and XP40-Q1785

- Corrected a focus setting issue that prevented users from accessing certain functionalities, such as open iris to set focus, autofocus, and resetting functions, when using a DC iris with the camera.Applies to: AXIS P1375, AXIS P1377, AXIS P1378, AXIS Q1645, AXIS Q1645-LE, ExCam XF P1377, ExCam XF Q1645 and F101-A XF P1377

- Corrected an issue where live view via HDMI could be accessed without setting a password. To enhance security, it is now mandatory to set up a password before being able to access live feed on a TV or monitor via HDMI.Applies to: AXIS V5925

AXIS OS 10.12.153

Release date: 2023-02-20

Features

- Updated *Apache to version 2.4.55* to increase the overall cybersecurity level.

- Updated OpenSSL to version 1.1.1t to increase overall cybersecurity level.

- Updated *cURL to version 7.87.0* to increase overall cybersecurity level.

- The Security level for 'AutoRepair', 'FileSystem' and 'RequiredFileSystem' parameters has been lowered.

Corrections

- Disabled secure redirects from other network hosts net.ipv4.conf.all.secure_redirects & net.ipv4.conf. default.secure_redirects to increase overall minimum cybersecurity level.

- Corrected an issue where audio was not working correctly in the Companion and AXIS Camera Station iOS apps. Correction was also needed in the iOS apps, therefore requires iOS Companion version 7.11.14 or later, and iOS AXIS Camera Station 4.6.12 or later.Applies to: All products with audio out.

- Corrected an issue where is was not possible to install an application using manifest.json if an older application using package.conf was already installed.

- Corrected an issue affecting some O3C clients, that caused internal authentication requests to fail after a few days of uptime.

- Corrected an issue where it was not possible to save images using compression set to 10 or below to a network share when SMB 3.1.1 was used.

- Updated time zone database version to 2022g.

- Improved stability of syslog system by addressing a potential memory leak.

- Improved system stability during roll-back.

- Improved stability of the multicast DNS (mDNS) services.

- Corrected ONVIF reply for MaximumRetentionTime

- Corrected an issue with simultaneous PTZ Onvif requests.Applies to: All products with PTZ support.

- Corrected an issue where the IR led was turned off during the download of the server report.Applies to: AXIS Q6135-LE

- Corrected an IR-LED issue causing temperatures and image degradation in high ambient temperatures above 35°C, when IR light is activated at full power.Applies to: AXIS Q6318-LE

- Improved QuickZoom functionality to switch only during longer continuous zoom movements, ensuring smoother zoom experience with the mouse scroll wheel.Applies to: AXIS Q6135-LE and AXIS Q6318-LE

- Corrected an issue with focus being lost over time.Applies to: AXIS M3215-LVE, AXIS M3216-LVE, AXIS P1467-LE, AXIS P1468-LE, AXIS P3265-V/-LV/-LVE, AXIS P3267-LV/-LVE, AXIS P3268-LV/-LVE, AXIS P4705-PLVE, AXIS P4707-PLVE, AXIS Q1656/-B/-BE/-BLE/-LE, AXIS Q3536-LVE and AXIS Q3538-LVE

- Corrected an issue that caused pre-defined controls buttons to appear in the wrong place on the onscreen control panel.Applies to: All products with onscreen control support.

- Corrected an issue where autofocus needed to be re-applied when the ambient temperature changed. Applies to: AXIS P3265-V/-LV/-LVE, AXIS P3267-LV/-LVE, AXIS P3268-LV/-LVE, AXIS Q3536-LVE and AXIS Q3538-LVE

AXIS OS 10.12.145

Release date: 2023–02–02

- Improved day/night switching stability. After upgrade a power off/on of the camera is required.Applies to: AXIS M3205-LVE and AXIS M3206-LVE

AXIS OS 10.12.135

Release date: 2022-12-08

Features

- Products with Hardware 9A0.1, 9A0.2 and 9A0.3 only support LTS 2022 version 10.12.135 and later. Products with hardware ID 796, 7C3.1 and 7C3.2 support all AXIS OS versions.The hardware ID can be found in **Plain config > Properties > System > Hardware ID**.Applies to: AXIS P1375–E, AXIS P1377–LE and AXIS P1378–LE

AXIS OS 10.12.130

Release date: 2022–12–05

Features

- Updated cURL to version 7.86.0 to increase overall cybersecurity level.
- Updated OpenSSL to version 1.1.1s to increase the overall cybersecurity level.

Corrections

- Corrected an issue where the metadata producer was disabled after upgrade when upgrading from AXIS OS 10.6 or 10.7 to 10.12.
- Corrected an issue that caused the wrong file size to be reported for recordings larger than 50MB when using FTP.
- Corrected an issue where ACAP application parameters were reset after AXIS OS upgrade.
- Corrected an issue to make it possible to create certificates with Common Name up to 64 characters.
- The vdo_stream_get_info capture API now returns the resulting channel.
- Corrected an issue with video streaming when using dynamic fps in Zipstream.Applies to: AXIS M3064-V, AXIS M3065-V, AXIS M3066-V, AXIS M3075-V, AXIS M3205-LV, AXIS M3206-LVE and AXIS Q9216-SLV
- Corrected an issue with broken image that could happen after start up.Applies to: AXIS M2035-LE and AXIS M2036-LE
- Corrected an issue where the Iris value was not shown when using Auto Iris.Applies to: AXIS V5925
- Corrected an issue which could cause audio clips not to play to completion.Applies to: AXIS Q6215-LE
- Corrected an issue that caused privacy masks to shift when using pan and tilt.Applies to: AXIS P1375
- Corrected an issue with loss of focus in wide infinity, that could occur after upgrading from 10.9.Applies to: AXIS P1448-LE
- Corrected an issue where the camera was not getting enough power when using certain POE switches. Applies to: AXIS Q6075 and ExCam XPT Q6075

AXIS OS 10.12.122

Release date: 2022-11-03

Corrections

- Corrected an issue where upgrade from 10.9.4 to 10.12 was not possible.Applies to: AXIS P3265-LVE 22mm, AXIS 3267-LV/-LVE and AXIS P3268-LV/-LVE.

AXIS OS 10.12.114

Release date: 2022-10–06

Features

- Updated cURL to version 7.85.0 to increase overall cybersecurity level.

- Added support for RFC8200 IPv6.

Corrections

- Corrected an issue to make it possible to create certificates with Common Name up to 64 characters.

- Corrected an issue that caused no video stream after upgrading from 9.80 LTS.Applies to:
  AXIS Q3527-LVE

- Improved the IR cut filter switching.Applies to: All products with IR cut filter.

- Corrected an issue where image processing could fail to work properly after 248 days of uptime.Applies
  to: AXIS Q1645/-LE and ExCam XF Q1645

- Corrected an issue where the new web interface was not showing streaming settings.Applies to:
  AXIS M2035-LE, AXIS M2036-LE, AXIS M3057-PLVE, AXIS M3058-PLVE, AXIS M3064-V, AXIS M3065-V,
  AXIS M3066-V, AXIS M3067-P, AXIS M3068-P, M3075-V, AXIS M3085-V, AXIS M3086-V,
  AXIS M3115-LVE, AXIS M3116-LVE, AXIS M3205-LVE, AXIS M3206-LVE, AXIS M4216–V/-LV,
  AXIS P3719-PLE

Limitations

- When upgrading AXIS OS from versions below 10.10.69 and metadata producers are used, the metadata
  producers must be enabled manually via **System > Analytics metadata**.

AXIS OS 10.12.104

Release date: 2022-09-13

Features

- Updated cURL to version 7.84.0 to increase overall cybersecurity level.

- Added setting in Action rules for how many times an audio clip should be repeated when played.

- Products with hardware ID 998 only support active track 10.12.104 and later, as well as LTS 9.80.3.14
  and later. Products with hardware ID 7CA support all AXIS OS versions. The hardware ID can be found in
  Plain config > Properties > System > HardwareID.Applies to: AXIS P3925-R

- Products with hardware ID 999 only support active track 10.12.104 and later, as well as LTS 9.80.3.14
  and later. Products with hardware ID 7CC support all AXIS OS versions. The hardware ID can be found in
  Plain config > Properties > System > HardwareID. Applies to: AXIS P3925-LRE

- Products with hardware ID 99A.1 and 99A.2 only support active track 10.12.104 and later, as well as LTS
  9.80.3.14 and later. Products with hardware ID 91A only support active track 10.10.69 and later, as well
  as LTS 2020 version 9.80.3.8. Products with hardware ID 7CC support all AXIS OS versions. The hardware
  ID can be found in **Plain config > Properties > System > HardwareID**. Applies to: AXIS P3935-LR

- Added the possibility to detect tailgating, if more than one person passes under a counter during a
  predefined time interval.Applies to: AXIS P8815-2.

Corrections

- Improved system stability.

- Corrected an issue that prevented the use of audio clips in action rules. Applies to: AXIS A8207-VE and
  AXIS A8207-VE Mk II

- Improved IR LED dimming algorithm.Applies to: AXIS Q3536-LVE and AXIS Q3538-LVE

- Corrected an issue to make WDR enabled as default. Applies to: AXIS M1135/-E Mk II and
  AXIS M1137/-E Mk II

- Corrected an issue where focus is lost over time.Applies to: AXIS P3727-PLE

- Corrected an issue in swaying object filters that made video stream flicker and metadata stream fail. Corrected an issue where ignore swaying objects was disabled after restart. Improved tracking at large angles. Improved general radar performance and stability.Applies to: AXIS D2110-VE

AXIS OS 10 Archived Release Notes

If you're looking for release notes from earlier versions of AXIS OS 10 active track, you can find them *here*.

LTS 2020 - 9.80

Support phase: 2020 – 2025-12-31

Go to for a list of products on this track.

AXIS OS 9.80.121

Release date: 2025-09-22

Cybersecurity updates

- Updated OpenSSH to version 10.0p1.
- Updated cURL to version 8.14.1, addressing *CVE-2025-5399*.
- Updated OpenSSL to version 1.1.1zc to increase overall cybersecurity level.
- Updated Apache to version 2.4.65 to increase overall cybersecurity level.
- Updated FFmpeg to version 4.2.11 to increase overall cybersecurity level.
- Addressed *CVE-2025-32728*.

Corrections

- Corrected an issue with HTTP notifications failing due to permission errors.
- Corrected an issue in recording-indexer caused by corrupt database version.
- Corrected an issue where SMTP DATA messages did include additional not needed null characters.
- Corrected an issue where remounting an encrypted SD card could cause an illegal state if done incorrectly.
- Corrected an issue with recording to encrypted SD card while streaming RTSPS.

  Applies to: All products based on ARTPEC-5

AXIS OS 9.80.105

Release date: 2025-04-22

Cybersecurity updates

- Updated cURL to version 8.12.1 to increase overall cybersecurity level.
- Updated OpenSSL to version 1.1.1zb to increase overall cybersecurity level.
- Updated OpenSSH to version 9.9p2, addressing *CVE-2025-26466*.
- Updated libxml2 to version 2.13.3, addressing *CVE-2025-24928* and *CVE-2024-56171*.
- Updated ffmpeg to version 4.2.10, addressing *CVE-2019-13312*, *CVE-2019-13390*, *CVE-2019-15942*, *CVE-2020-12284*, *CVE-2020-13904*, *CVE-2020-20446*, *CVE-2020-20448*, *CVE-2020-20451*, *CVE-2020-20453*, *CVE-2020-20891*, *CVE-2020-20892*, *CVE-2020-20896*, *CVE-2020-20902*, *CVE-2020-21041*, *CVE-2020-22015*, *CVE-2020-22016*, *CVE-2020-22019*, *CVE-2020-22020*, *CVE-2020-22021*, *CVE-2020-22022*, *CVE-2020-22023*, *CVE-2020-22025*, *CVE-2020-22026*, *CVE-2020-22027*, *CVE-2020-22028*, *CVE-2020-22031*, *CVE-2020-22032*, *CVE-2020-22036*, *CVE-2020-22037*, *CVE-2020-22041*, *CVE-2020-22044*, *CVE-2020-22046*, *CVE-2020-22048*, *CVE-2020-23906*, *CVE-2020-35964*, *CVE-2020-35965*, *CVE-2021-38114*, *CVE-2021-38171*, *CVE-2021-38291*, *CVE-2022-3109* and *CVE-2023-47342*.
- Addressed *CVE-2024-47261*. For more information, please visit the *Axis vulnerability management portal*.
- Addressed *CVE-2025-0325*. This CVE will be externally disclosed on 2 June 2025 as part of our ongoing commitment to cybersecurity. Detailed information will follow then. For more information, please visit the *Axis vulnerability management portal*.

Corrections

- Updated the End User License Agreement.

- Updated time zone database to version 2025b.

- Corrected an issue where SMTP DATA messages were incorrectly terminated, causing compatibility issues with strict SMTP servers like Postfix.

- Corrected an issue with incorrect headers when sending image via proxy.

- Corrected an issue where Always Multicast stopped working after a device upgrade.

- Improved stability of "focusd", "maskd", and "blinkenlights" daemons when handling oversized messages.

- Added AXIS TQ1818-E Positioning Unit Support enabling compatibility with various PT Mount and camera models.

  Applies to: AXIS P1364, AXIS P1365 Mk II, AXIS P1367/-E, AXIS P1368-E, AXIS P1375/-E, AXIS P1377/-LE, AXIS P1378/-LE, AXIS Q1615 Mk II, AXIS Q1645, AXIS Q1647, AXIS Q1659, AXIS Q1785, AXIS Q1941, AXIS Q1942, AXIS Q8641-E and AXIS Q8642-E

- Improved stability of the "lightlogic" daemon.

  Applies to: AXIS M1065-LW

AXIS OS 9.80.95

Release date: 2025-02–25

Cybersecurity updates

- Addressed *CVE-2024-47260* and *CVE-2024-47262*. This CVE will be externally disclosed on 4 March 2025 as part of our ongoing commitment to cybersecurity. Detailed information will follow then. For more information, please visit the *Axis vulnerability management portal*.

- Updated glib, addressing *CVE-2024-52533*.

- Updated libexpat to version 2.6.4, addressing *CVE-2024-50602*.

- Updated cURL to version 8.11.1 to increase overall cybersecurity level.

Corrections

- Corrected issue preventing AXIS Companion mini cameras from configuring storage during AXIS Camera Station Edge site creation wizard setup.

- Improved "Start Recording" functionality to prevent simultaneous continuous recording.

- Corrected an issue where the Wireless 802.1X EAP-TLS authentication is not working if the CA certificate is not configured.

  Applies to: AXIS M1065-LW and AXIS M3045-WV

AXIS OS 9.80.85

Release date: 2024-11–19

Cybersecurity updates

- Addressed *CVE-2024-8772*. This CVE will be externally disclosed on 26 November 2024 as part of our ongoing commitment to cybersecurity. Detailed information will follow then. For more information, please visit the *Axis vulnerability management portal*.

- Updated ncurses (libncursesw5 and libtinfo5), addressing *CVE-2023-50495*, *CVE-2023-45918* and *CVE-2023-29491*.

- Updated expat (libexpat1) version 2.6.2, addressing *CVE-2024-45492*, *CVE-2024-45490* and *CVE-2024-45491*.

- Updated libxml2, addressing *CVE-2023-45322* and *CVE-2024-25062*.

- Updated busybox, addressing *CVE-2022-48174*.

- Updated zlib (libz1), addressing *CVE-2023-45853*.

- Updated util-linux, addressing *CVE-2024-28085*.

- Updated syslog-ng, addressing *CVE-2022-38725*.

- Updated Dbus to version 1.12.28, addressing *CVE-2023-34969*.

- Updated cURL to version 8.10.1 to increase overall cybersecurity level.

- Updated OpenSSL to version 1.1.1za to increase overall cybersecurity level.

- Updated wpa-supplicant to version 2.11 to increase overall cybersecurity level.

- Improved stability and reliability of the certificate management service.

Corrections

- Corrected an issue with Malformed XML data in the metadata stream.

- Corrected an issue limiting audio sampling rate selection to 8kHz in ONVIF media profile, now supporting rates of 8/16/32/44.1/48 kHz.

  Applies to: AXIS P1364/-E

AXIS OS 9.80.78

Release date: 2024-08-26

Cybersecurity updates

- Updated Apache to version 2.4.62 to increase overall cybersecurity level.

- Updated cURL to version 8.9.0 to increase overall cybersecurity level.

- Updated OpenSSL to version 1.1.1y to increase overall cybersecurity level.

- Updated OpenSSH to version 9.8p1 to increase overall cybersecurity level.

- Updated libssh2 to version 1.11.0 to increase overall cybersecurity level.

- Addressed CVE-2023-52160 in wpa-supplicant to increase overall cybersecurity level.

- Addressed CVE-2024-0067, CVE-2024-6173, CVE-2024-6509. For more information, please visit the *Axis vulnerability management portal*.

Corrections

- Added DNS cache for O3C client to reduce the DNS lookup.

- Corrected an issue causing stream crashes via CGI input with invalid float values.Applies to: AXIS Q3515-LV/-LVE, AXIS Q3517-LV/-LVE/-SLVE and AXIS Q3527-LVE

AXIS OS 9.80.72

Release date: 2024-06-17

Corrections

- Corrected an issue where SSH users who used ssh-copy-id to install their SSH key as authorized on the device would unintentionally still have SSH access after a factory default with keeping IP settings.

- Corrected memory problems for products utilizing AXIS O3C Dispatcher service.

AXIS OS 9.80.69

Release date: 2024-05-28

Cybersecurity updates

- Addressed CVE-2024-0066. For more information, please visit the *Axis vulnerability management portal.*

- The parameter RemoteService.ProxyPassword that controls the proxy password has been masked and made unreadable for security reasons.

AXIS OS 9.80.66

Release date: 2024–05–06

Cybersecurity updates

- Addressed CVE-2024-0054. For more information, please visit the *Axis vulnerability management portal.*

- Updated OpenSSH to version 9.6p1 to increase overall cybersecurity level.

- Updated *cURL to version 8.7.1* to increase overall cybersecurity level.

- Updated OpenSSL to version 1.1.1x to increase overall cybersecurity level.

- Removed legacy overlay image CGIs i.e. create_overlay, overlay_set, overlay_del, overlay_image_ formats, overlay_list.

Corrections

- Updated time zone database version to 2024a.

AXIS OS 9.80.55

Release date: 2024–02–05

Cybersecurity updates

- Updated *cURL to version 8.5.0* to increase overall cybersecurity level.

- Updated *Apache to version 2.4.58* to increase the overall cybersecurity level.

- Addressed CVE-2023-5800. For more information, please visit the *Axis vulnerability management portal.*

AXIS OS 9.80.49

Release date: 2023–11–01

Cybersecurity updates

- Updated *cURL to version 8.4.0* to increase overall cybersecurity level.

Corrections

- Corrected CVE-2023-21417 and CVE-2023-21418. For more information, please visit the *Axis vulnerability management portal.*

- Corrected critical Kernel crashes for improved system stability.Applies to: AXIS M2026-LE Mk II, AXIS M3015, AXIS M3016, AXIS M3106-L/-LVE Mk II, AXIS Q6125-LE and ExCam XF M3016

AXIS OS 9.80.47

Release date: 2023–10–13

Cybersecurity updates

- Updated *cURL to version 8.3.0* to increase overall cybersecurity level.

- Updated OpenSSL to version 1.1.1w to increase the overall cybersecurity level.

Corrections

- Corrected CVE-2023-21415. For more information, please visit the *Axis vulnerability management portal.*

- Improved stability of the WSDD (Web Services Dynamic Discovery) by addressing a potential memory leak and crashes associated with network interface rebinding on network changes.

AXIS OS 9.80.42

Release date: 2023-08-22

Cybersecurity updates

- Updated *cURL to version 8.2.0* to increase overall cybersecurity level.
- Updated OpenSSL to version 1.1.1v to increase the overall cybersecurity level.

Corrections

- Added proxy configuration support to the Owner Authentication Key (OAK) cgi using group root. RemoteService, simplifying setup on networks requiring proxy servers for Internet access and improving the authentication process.
- Added the possibility to Netd Service to preserve the static resolver configuration even after a soft restore, safeguarding static DNS/Search domain settings.
- Improved stability of UPnP (Universal Plug and Play) service.
- Updated the mDNS Responder Daemon (mDNSResponder) to version 1790.80.10 to improve system stability.
- Improved stability of the syslog system by addressing a potential memory leak.

AXIS OS 9.80.34

Release date: 2023-06-26

Features

- Improved UPnP compliance by updating the SSDP (Simple Service Discovery Protocol) SERVER header in the standard "OS/version UPnP/1.0 product/version" format and USN (Unique Service Name) field with a UUID in the standard format. This enhances consistency and compatibility.
- Updated time zone database version to 2023c.

Cybersecurity updates

- Updated *Apache to version 2.4.57* to increase the overall cybersecurity level.
- Updated *cURL to version 8.1.0* to increase overall cybersecurity level.
- Updated OpenSSL to version 1.1.1u to increase the overall cybersecurity level.
- Updated libupnp to version 1.14.16, solving a memory leak and improving overall stability.

Corrections

- Corrected an issue with OAK (owner authentication key). It now only produces warnings in the log instead of errors if the device is not able to connect to the internet.
- Improved the handling of SD card timeouts, ensuring that processes no longer hang for prolonged periods when a faulty SD card is detected. Applies to: All products with SD card support

AXIS OS 9.80.28

Release date: 2023-04-24

Features

- Updated *Apache to version 2.4.56* to increase the overall cybersecurity level.
- Updated *cURL to version 8.0.1* to increase overall cybersecurity level.

- Improved the manager client certificates and added support for installing multiple trust certificates and requesting/installing a second client certificate.

- Products with Hardware 9A0.1, 9A0.2 and 9A0.3 only support active track version 11.2.53 and later, LTS 2022 version 10.12.135 and later, as well as LTS 2020 version 9.80.28 and later.Products with hardware ID 796, 7C3.1 and 7C3.2 support all AXIS OS versions. The hardware ID can be found in **Plain config > Properties > System > Hardware ID**. For more information, read the related *FAQ*.Applies to: AXIS P1375-E, AXIS P1377-LE and AXIS P1378-LE

Corrections

- Added detailed health information from SD cards to the server report, including power cycle statistics and flash wear rates. This improvement allows for a better monitoring of the system's health that can prevent downtime or data loss.

- Corrected low-light image quality issues.Applies to: AXIS Q1700-LE, AXIS Q1785-LE, AXIS Q1786-LE, ExCam XF Q1785, F101-A XF Q1785, XF40-Q1785 and XP40-Q1785

- Added fallback mode for network hardware that is limited to 10BASE-T and 100BASE-TX transmission. Applies to: All products

- Corrected an issue where the "Turn on/off camera heater" option was appearing in the on-screen control dropdown, even though the product does not have a heater.Applies to: AXIS P1375-E, AXIS P1377-LE and AXIS P1378-LE

AXIS OS 9.80.22

Release date: 2023-03-07

Features

- Updated *Apache to version 2.4.55* to increase the overall cybersecurity level.

- Updated *cURL to version 7.88.1* to increase overall cybersecurity level.

- Updated OpenSSL to version 1.1.1t to increase overall cybersecurity level.

- Updated time zone database version to 2022g.

- Receiving ICMP secure redirects from other network hosts are now disabled to increase overall minimum cyber security level.

Corrections

- Corrected an issue affecting some O3C clients, that caused internal authentication requests to fail after a few days of uptime.

- Improved stability of syslog system by addressing a potential memory leak.

- Improved stability of the PTZ VAPIX parser.Applies to: AXIS M3115-LVE and AXIS M3116-LVE

- Corrected an issue that caused privacy masks to remain the same size during zooming after a restart. The privacy masks will now adjust their size in relation to the rest of the image during zooming, which is the expected behavior.Applies to: AXIS Q1700-LE

- Corrected an issue with simultaneous PTZ ONVIF requests.Applies to: AXIS P5654-E, AXIS P5655-E, AXIS Q1700-LE, AXIS Q1785-LE, AXIS Q1786-LE, AXIS Q6010-E, AXIS Q6074/-E, AXIS Q6075/-E/-S, AXIS Q6125-LE, AXIS Q6215-LE, AXIS Q8641-E, AXIS Q8642-E, D201-S XPT Q6075, ExCam XF Q1785, ExCam XPT Q6075, F101-A XF Q1785, XF40-Q1785 and XP40-Q1785

AXIS OS 9.80.12

Release date: 2022-12-15

Corrections

General improvements.

AXIS OS 9.80.10

Release date: 2022-11-29

Features

- New versioning on AXIS OS LTS 2020. For more information, see *AXIS OS versioning*.

- Updated cURL to version 7.86.0 to increase overall cybersecurity level.

- Updated OpenSSL to version 1.1.1s to increase the overall cybersecurity level.

- Updated time zone database version to 2022d. This version has some common time zones, such as Europe/Amsterdam, Europe/Copenhagen, Europe/Oslo, Europe/Stockholm, and more, removed from the recommended list of time zones.

- Products with Hardware ID 9A1 only support LTS 2020 version 9.80.10 and later. Products with hardware ID 756 support all AXIS OS versions. The hardware ID can be found in **Plain config > Properties > System > Hardware ID**. Applies to: AXIS Q6215-LE

- Products with hardware ID 97A.1 and 97A.2 only support AXIS OS 10.12.73 and later, as well as LTS 2020 version 9.80.10 and later. Products with hardware ID 7CF.1 and 7CF.2 support all AXIS OS versions. The hardware ID can be found in **Plain config > Properties > System > HardwareID**. Applies to: AXIS Q6010-E

Corrections

- Corrected an issue that caused a wrong file size to be reported for recordings larger than 50MB when using FTP.

- Corrected an issue that prevented the possibility to change manual IR Illumination angle from the web interface.Applies to: AXIS Q1785-LE, AXIS Q1786-LE and AXIS Q1798-LE

- Corrected an issue that on rare occasions caused the image to show horizontal lines or an over-saturated image.Applies to: AXIS M3064-V, AXIS M3065-V, AXIS M3066-V, AXIS M3075-V, AXIS M3205-LVE, AXIS M3206-LVE and AXIS Q9216-SLV

AXIS OS 9.80.3.14

Release date: 2022-09-12

Features

- Updated cURL to version 7.84.0 to increase overall cybersecurity level.

- Products with hardware ID 998 only support active track 10.12.104 and later, as well as LTS 9.80.3.14 and later. Products with hardware ID 7CA support all AXIS OS versions. The hardware ID can be found in **Plain config > Properties > System > HardwareID**.Applies to: AXIS P3925-R

- Products with hardware ID 999 only support active track 10.12.104 and later, as well as LTS 9.80.3.14 and later. Products with hardware ID 7CC support all AXIS OS versions. The hardware ID can be found in **Plain config > Properties > System > HardwareID**. Applies to: AXIS P3925-LRE

- Products with hardware ID 99A.1 and 99A.2 only support active track 10.12.104 and later, as well as LTS 9.80.3.14 and later. Products with hardware ID 91A only support active track 10.10.69 and later, as well as LTS 2020 version 9.80.3.8. Products with hardware ID 7CC support all AXIS OS versions. The hardware ID can be found in **Plain config > Properties > System > HardwareID**. Applies to: AXIS P3935-LR

Corrections

- Corrected an issue that caused audio via external VMS to stop working.

- Improved focus behavior after an upgrade. When upgrade is finished, perform also calibration **System > Maintenance > Optics > Calibrate** and autofocus **Image > Autofocus**.Applies to: AXIS P3245-LV/-LVE, AXIS P3247-LV/-LVE and AXIS P3248-LV/-LVE.

AXIS OS 9.80.3.13

Release date: 2022-07-22

Features

- Updated Apache web server to version 2.4.54 to increase overall cybersecurity level.

- Updated OpenSSL to version 1.1.1q to increase overall cybersecurity level.

- Updated cURL to version 7.83.1 to increase overall cybersecurity level.

- Products with hardware ID 991 and 992 only support active track 10.11.87 and later, as well as LTS track 9.80.3.13 and later. Products with hardware ID 7BD and 7C0 support all AXIS OS versions. The hardware ID can be found in **Plain config > Properties > System > HardwareID**.Applies to: AXIS M3067-P and AXIS M3068-P

- Products with hardware ID 993.1, 993.2, 994.1 and 994.2 only support active track 10.11.89 and later, as well as LTS track 9.80.3.13 and later. Products with hardware ID 985.1, 985.2, 986.1 and 986.2 only support active track 10.11.85 and later, as well as LTS track 9.80.3.13 and later. Products with hardware ID 956.1, 956.2, 956.3 and 956.4 only support active track 10.8.3 and later, as well as LTS track 9.80.3.9 and later. Products with hardware ID 91E.1, 91E.2, 91F.1 and 91F.2 only support active track 10.4.0 and later, as well as LTS track 9.80.3.1 and later. Products with hardware ID 7BE.1, 7BE.2, 7BF.1 and 7BF.2 support all AXIS OS versions. The hardware ID can be found in **Plain config > Properties > System > HardwareID**. Applies to: AXIS P3247-LV/-LVE and AXIS P3248-LV/-LVE

- Products with hardware ID 990 only support active track 10.12.65 and later, as well as LTS track 9.80.3.13 and later. Products with hardware ID 7AF support all AXIS OS versions. The hardware ID can be found in **Plain config > Properties > System > HardwareID**. Applies to: AXIS Q1798-LE

- Products with hardware ID 981 and 982 only support active track version 10.11.85 and later, as well as LTS track 9.80.3.13 and later. Products with hardware ID 7BB and 7BC support all AXIS OS versions. The hardware ID can be found in **Plain config > Properties > System > HardwareID**. Applies to: AXIS M3115-LVE and AXIS M3116-LVE

- Products with hardware ID 98E.1, 98E.2, 98E.3, 98D.1, 98D.2 and 98D.3 only support active track 10.12.65 and later, as well as LTS track 9.80.3.13 and later. Products with hardware ID 795, 796, 7C2.1, 7C2.2, 7C3.1 and 7C3.2 support all AXIS OS versions. The hardware ID can be found in **Plain config > Properties > System > HardwareID**. For more information, read the related *FAQ*.Applies to: AXIS P1375/-E, AXIS P1377/-LE, AXIS P1378/-LE, F101-A XF P1377 and ExCam XF P1377

- Products with hardware ID 983.1 an 983.2 only support AXIS OS 10.11.85 and later, as well as LTS track 9.80.3.13 and later. Products with hardware ID 90F.1 and 90F.2 support AXIS OS versions from 10.3.01 and LTS versions from 9.80.3.1. Products with hardware ID 79E.1 and 79E.2 support all AXIS OS versions. The hardware ID can be found in **Plain config > Properties > System > HardwareID**. Applies to: AXIS P3245-V/-VE

- Products with hardware ID 984.1 and 984.2 only support active track 10.11.85 and later, as well as LTS track 9.80.3.13 and later. Products with hardware ID 910.1 and 910.2 only support active track 10.3.0.1 and later, as well as LTS track 9.80.3.1 and later. Products with hardware ID 79F.1, 79F.2, 79F.3 and 79F.4 support all AXIS OS versions. The hardware ID can be found in **Plain config > Properties > System > HardwareID**. Applies to: AXIS P3245-LV/-LVE

- Products with hardware ID 987.1, 987.2, 988.1, 988.2, 989.1, 989.2, 98A.1, 98A.2, 98B.1 and 98B.2 only support active track 10.11.87 and later, as well as LTS track 9.80.3.13 and later. Products with hardware ID 917.1, 917.2, 918.1, 918.2, 914.1, 914.2, 915.1, 915.2, 916.1 and 916.2 support AXIS OS version 10.6.5 and later, and as well as LTS track 9.80.3.4 and later. Products with hardware ID 7D9.1, 7D9.2, 7DA.1, 7DA.2, 7B0, 7B1, 7FA.1 and 7FA.2 support all AXIS OS versions. The hardware ID can be found in **Plain config > Properties > System > HardwareID**. Applies to: AXIS Q6074/-E, AXIS Q6075/-E, D201-S XPT Q6075 and ExCam XPT Q6075

Corrections

- ONVIF recordings are now continued automatically after disruptions.

AXIS OS 9.80.3.12

Release date: 2022-06-09

Features and corrections

- Updated OpenSSL to version 1.1.1o to increase the overall cybersecurity level.

- General improvements to the LTS 2020 platform.

- Corrected an issue that would cause the AXIS OS upgrade to fail on rare occasions.

- Corrected *CVE-2018-25032*.

AXIS OS 9.80.3.11

Release date: 2022-05-09 (to be rolled out within 3 weeks of release date)

Features

- Updated OpenSSL to version 1.1.1n to increase overall minimum cybersecurity level.

- Updated Apache to version 2.4.53 to increase overall cybersecurity level.

- Updated wpa-supplicant to version 2.10 to increase overall cybersecurity level.

Corrections

- General improvements to the LTS 2020 platform.

- Receiving ICMP redirects from other network hosts is now disabled to increase overall minimum cybersecurity level.

- Updated the certificate management API's to handle camera models that do not support Real-Time Streaming Protocol over SSL (RTSPS).

- Corrected *CVE-2021-29462*.

- Corrected *CVE-2021-33910*.

- Improved memory management in the network services daemon.

- On some units focus might drift over time. Lens control has been improved to reduce this type of issues. Calibrate and autofocus the camera after upgrade.Applies to: AXIS P3245-V/-VE/-LV/-LVE

AXIS OS 9.80.3.10

Release date: 2022-03-16

Features

- Updated OpenSSL to version 1.1.1m to increase overall cybersecurity level.

- Updated Apache to version 2.4.52 to increase overall cybersecurity level.

Corrections

- Improved HDMI video output. Applies to: AXIS M3065-V, AXIS M3066-V and AXIS M3075-V

- Corrected an issue that caused the send images event to stop uploading towards an FTP server when the filename included a space (" ").

- Corrected *CVE-2020-13848*.

- Corrected an issue that prevented the Axis device to stream a 3rd unique video stream in rare conditions. Applies to: AXIS Q6125-LE

- Improved handling of empty recordings.

- Support for a new audio codec – ADAU1361 – has been added. Applies to: AXIS P3935-LR

- Corrected an issue that caused the IR-cut filter to get stuck halfway.Applies to: AXIS P3925-R/-LRE and AXIS P3935-LR

AXIS OS 9.80.3.9

Release date: 2022-02-01

Only for AXIS P3245-LV/-LVE, AXIS P3247-LV/-LVE and AXIS P3248-LV/-LVE.

Features

- Updated Apache to version 2.4.52 to increase overall cybersecurity level.

- Updated OpenSSL to version 1.1.1m to increase the overall cybersecurity level.

- Products with hardware ID 956.x only support 10.8.3 and later, as well as 9.80.3.9 on LTS 2020.Products with hardware ID 91E.x and 91F.x support 10.4.0 and later, as well as LTS 2020 9.80.3.1 and later. Products with hardware ID 7BE.x and 7BF.x support all AXIS OS versions. The hardware ID can be found in **Plain config > Properties > System > HardwareID**.

Corrections

- Corrected an issue that caused the send images event to stop uploading towards an FTP server when the filename included a space (" ").

- Corrected *CVE-2020-13848*.

AXIS OS 9.80.3.8

Release date: 2021-12-20

Features

- Updated Apache to version 2.4.51 to increase overall cybersecurity level.

- Updated OpenSSL to version 1.1.1l to increase the overall cybersecurity level.

- Updated cURL to version 7.79.1 to increase overall cybersecurity level.

- Support for a new audio codec - ADAU1361 - has been added. Products with hardware ID 91A will now support the new codec. The hardware ID can be found via
  Plain config > Properties > System > HardwareID Applies to: AXIS P3935-LR

Corrections

- General improvements to the LTS 2020 platform.

- Corrected an issue that caused active recordings to be restarted when adding a new recording rule.

- Improved system stability of the Network Services.

- The remote syslog configuration is now preserved during a AXIS OS update within the same track.

- Corrected an issue that caused overlay text flickers when used in conjunction with an event triggered by the **recording ongoing** condition.

- Adjusted the default tilt to range between 0 to -180 degrees.Applies to: AXIS Q6074-E

- Improved response time of the I/O port monitoring cgi **/axis-cgi/io/input.cgi?monitor=1**.Applies to: AXIS D2050-VE, AXIS FA54, AXIS P1364/-E, AXIS P1365/-E Mk II, AXIS P1367/-E, AXIS P1368-E, AXIS P5655-E, AXIS Q1615/-LE Mk II, AXIS Q1645/-LE, AXIS Q1647/-LE, AXIS Q1659, AXIS Q1700-LE, AXIS Q1785-LE, AXIS Q1786-LE, AXIS Q1798-LE, AXIS Q1941-E, AXIS Q1942-E, AXIS Q3515-LV/-LVE, AXIS Q3517-LV/-LVE/-SLVE, AXIS Q3518-LVE, AXIS Q3527-LVE, AXIS Q6074, AXIS Q6075, AXIS Q6075-S/-SE, AXIS Q8641-E, AXIS Q8642-E, ExCam XF Q1645, ExCam XF Q1785, F101-A XF Q1785, XP40-Q1785 and XP40-Q1942

- Corrected *CVE-2021-3658*.Applies to: AXIS Companion Cube LW, AXIS Companion Dome WV, AXIS M1045-LW, AXIS M1065-LW, AXIS M3044-WV and AXIS M3045-WV

- Improved stability of the imaging processing to prevent crashes during darkness.Applies to: AXIS Companion Dome V

- Corrected an issue that could cause 'transmit.cgi' to close the connection prematurely when transmitting audio to the camera.Applies to: AXIS Companion Bullet LE, AXIS Companion Cube L/-LW, AXIS Companion Dome V/-WV, AXIS Companion Eye L, AXIS Companion Bullet mini LE, AXIS Companion Dome mini LE, AXIS Companion Eye mini L, AXIS Companion Recorder, AXIS D2050-VE, AXIS FA54, AXIS M1045-LW, AXIS M1065-L/-LW, AXIS M1124/-E, AXIS M1125/-E, AXIS M1134, AXIS M1135/-E, AXIS M1137/-E, AXIS M2025-LE, AXIS M2026-LE, AXIS M2026-LE Mk II, AXIS M3015, AXIS M3016, AXIS M3044-V/-WV, AXIS M3045-V/-WV, AXIS M3046-V, AXIS P9106-V, AXIS M3057-PLVE, AXIS M3058-PLVE, AXIS M3064-V, AXIS M3065-V, AXIS M3066-V, AXIS M3075-V, AXIS M3067-P, AXIS M3068-P, AXIS M3104-L/-LVE, AXIS M3105-L/-LVE, AXIS M3106-L/-LVE, AXIS M3106-L/-LVE Mk II, AXIS M3115-LVE, AXIS M3116-LVE, AXIS M3205-LVE, AXIS M3206-LVE, AXIS P1244, AXIS P1245, AXIS P1254, AXIS P1264, AXIS P1265, AXIS P1275, AXIS P1280-E, AXIS P1290-E, AXIS P1364/-E, AXIS P1365/-E Mk II, AXIS P1367/-E, AXIS P1368-E, AXIS P1375/-E, AXIS P1377/-LE, AXIS P1378/-LE, AXIS P1435-E, AXIS P1435-LE, AXIS P1445-LE, AXIS P1445-LE-3, AXIS P1447-LE, AXIS P1448-LE, AXIS P3224-V/-VE/-LV/-LVE Mk II, P3225-V/-VE/-LV/-LVE Mk II, AXIS P3227-LV/-LVE, AXIS P3228-LV/-LE, AXIS P3235-LV/-LVE, AXIS P3245-V/-VE/-LV/-LVE, AXIS P3247-LV/-LVE, AXIS P3248-LV/-LVE, AXIS P3374-V/-LV, AXIS P3375-V/-VE/-LV/-LVE, AXIS P3717-PLE, AXIS P3807-PVE, AXIS P3925-R/-LRE, AXIS P3935-LR, AXIS P5654-E, AXIS P5655-E, AXIS Q1615/-LE Mk II, AXIS Q1645/-LE, AXIS Q1647/-LE, AXIS Q1659, AXIS Q1700-LE, AXIS Q1785-LE, AXIS Q1786-LE, AXIS Q1798-LE, AXIS Q1941-E, AXIS Q1941-E PT Mount, AXIS Q1942-E, AXIS Q1942-E PT Mount, AXIS Q3515-LV/-LVE, AXIS Q3517-LV/-LVE/-SLVE, AXIS Q3518-LVE, AXIS Q3527-LVE, AXIS Q3615-VE, AXIS Q3617-VE, AXIS Q6010-E, AXIS Q6074/-E, AXIS Q6075/-E/-S/-SE, AXIS Q6125-LE, AXIS Q6215-LE, AXIS Q8641-E, AXIS Q8642-E, AXIS Q9216-SLV, ExCam XF Q1645, ExCam XF Q1785, F101-A XF Q1785, XP40-Q1785 and XP40-Q1942

- Corrected an issue in the temperature controller that caused warnings in the logs after a factory reset. Applies to: AXIS P3245-V/-VE

- Updated the header for H.265 streams to not include delay information to avoid that some video clients may mistake it for B-frames.Applies to: AXIS M1134, AXIS M1135/-E, AXIS M1137/-E, AXIS M3067-P, AXIS M3068-P, AXIS M3115-LVE, AXIS M3116-LVE, AXIS P1375/-E, AXIS P1377/-LE, AXIS P1378/-LE, AXIS P3245-V/-VE/-LV/-LVE, AXIS P3247-LV/-LVE, AXIS P3247-LVE/-LVE, AXIS P3925-R/-LRE, AXIS P3935-LR, AXIS P5654-E, AXIS P5655-E, AXIS Q1798-LE, AXIS Q6074/-E and AXIS Q6075/-E/-S/-SE

- Corrected an issue where the camera sometimes did not recover from night mode. Please power off/on the camera after upgrade for this correction to take effect.Applies to: AXIS M3205-LVE and AXIS M3206-LVE

AXIS OS 9.80.3.5

Release date: 2021-09-07 (to be rolled out within three weeks of release date)

Features

- Updated Apache to version 2.4.48 to increase overall cybersecurity level.
- Updated cURL to version 7.78.0 to increase overall cybersecurity level.

Corrections

- The porttest-cgi is not used and is now removed from the platform.

- Corrected an issue that could cause an RTSP stream to stop after 60+ seconds if streamed to an openRTSP client.

- Corrected an issue that interrupted the NTP-time-sync between the Axis device and NTP-server when the NTP-server was unstable and suffered fluctuating time-changes.

- Made sure audio and video frames are grouped correctly in exportrecording.cgi.

- Corrected the following CVEs:
  - *CVE-2021-31988*
  - *CVE-2021-31987*
  - *CVE-2021-31986*

- – *CVE-2021-27219*
- – *CVE-2021-27218*
- – *CVE-2020-26558*

- Corrected an issue that prevented the mute signal to be properly transmitted to the audio controller. Applies to: AXIS Companion Cube L/-LW and AXIS M1065-L/-LW

AXIS OS 9.80.3.4

Release date: 2021-06-29

Only for AXIS Q6074/-E, AXIS Q6075/-E, D201-S XPT Q6075 and ExCam XPT Q6075.

Features and corrections

- General improvements to the LTS 2020 platform.

- Products with hardware ID 918, 917, 916, 915 and 914 only support 10.6.5 and later, or 9.80.3.4 and later on LTS 2020.Products with hardware ID 7D9, 7DA, 7B0, 7B1 and 7FA support all AXIS OS versions. The hardware ID can be found in **Plain config > Properties > System > HardwareID**.

AXIS OS 9.80.3.3

Release date: 2021-06-28 (to be rolled out within three weeks of release date)

Features

- Updated OpenSSH to version 8.6p1 to increase the overall minimum cyber security level.

- Added support for dynamic power allocation via Link Layer Discovery Protocol (LLDP) in addition to PoE-class based power allocation. This allows the switch to allocate less power to the camera and potentially a greater number of PoE devices can be connected to the switch. LLDP can be enabled in **Settings > System > PlainConfig > Network > LLDP POE > LLDP Send Max PoE**.Applies to: AXIS M3115-LVE and AXIS M3116-LVE

Corrections

- Corrected an issue that did not account for MTU packet fragmentation for IEEE 802.1x authentication. Previously the Axis device was not able to authenticate properly against an 802.1x network when the MTU was configured to 1410 or lower.

- Corrected an issue that prevented the device to stream in always-multicast mode after the video stream processing was restarted.

- Extended the 802.1x EAP-Identity field character limit from 32 to 128 characters.

- Increased the number of characters allowed in the name of an Action Event Condition, from 80 to 512.

- Corrected an issue that caused already established secure connections such as HTTPS or One-Click Cloud Connections to be interrupted.Applies to: AXIS Q6074/-E and AXIS Q6075/-E/-S

- Corrected an issue that caused distorted images in cropped corridor mode.Applies to: AXIS D2050-VE, AXIS FA54, AXIS M3057-PLVE, AXIS M3058, AXIS P1367/-E, AXIS P1368-E, AXIS P1445-LE, AXIS P1445-LE-3, AXIS P1447-LE, AXIS P1448-LE, AXIS P3227-LV/-LVE, AXIS P3228-LV/-LVE, AXIS P3717-PLE, AXIS P3807-PVE, AXIS Q1645/-LE, AXIS Q1647/-LE, AXIS Q1659, AXIS Q1700-LE, AXIS Q1785-LE, AXIS Q1786-LE, AXIS Q3515-LV/-LVE, AXIS Q3517-LV/-LVE/-SLVE, AXIS Q3518-LVE, AXIS Q3527-LVE, AXIS Q6215-LE, ExCam XF Q1785, F101-A Q1785 and XP40-Q1785

PSS 8.40

Go to for a list of products on this track.

AXIS OS 8.40.78

Release date: 2025-05-19

Features for all products

- Updated the End User License Agreement.

Product specific features

- Added support for AXIS TQ1818-E Positioning Unit.

  Applies to: AXIS Q8685-E and AXIS Q8685-LE

Cybersecurity updates

- Updated OpenSSH to version 9.9p2, addressing *CVE-2025-26466*.

- Updated OpenSSL to version 1.1.1zb to increase overall cybersecurity level.

- Updated cURL to version 8.12.1 to increase overall cybersecurity level.

- Addressed *CVE-2025-0325* . This CVE will be externally disclosed on 2 June 2025, more detailed information will follow then. For more information, please visit the Axis vulnerability management portal.

Corrections

- Corrected an issue where SMTP DATA messages were incorrectly terminated, causing compatibility issues with strict SMTP servers like Postfix.

AXIS OS 8.40.68

Release date: 2025–01–17

Cybersecurity updates

- Addressed *CVE-2024-47262*. These CVEs will be externally disclosed on 4 March 2025. More detailed information will follow then. For more information, please visit the *Axis vulnerability management portal*.

- Updated OpenSSL to version 1.1.1za to increase overall cybersecurity level.

- Updated cURL to version 8.11.1 to increase overall cybersecurity level.

- Updated wpa-supplicant to version 2.11 to increase overall cybersecurity level.

Corrections

- Improved "Start Recording" functionality to prevent simultaneous continuous recording.

- Improved stability and reliability of the certificate management service.

AXIS OS 8.40.59

Release date: 2024-09-10

Cybersecurity updates

- Updated Apache to version 2.4.62 to increase overall cybersecurity level.

- Updated OpenSSL to version 1.1.1y to increase overall cybersecurity level.

- Updated OpenSSH to version 9.8p1 to increase overall cybersecurity level.

- Updated cURL to version 8.9.0 to increase overall cybersecurity level.

- Updated libssh2 to version 1.11.0 to increase overall cybersecurity level.

- Updated Nettle cryptographic library to version 3.6 to increase overall cybersecurity level.

- Addressed vulnerability allowing unauthorized command execution via param.cgi.

- Addressed a vulnerability allowing DHCPv6 lease injection through unvalidated input parameters.

- Addressed vulnerabilities in GnuTLS: CVE-2024-28834 and CVE-2024-28835.

- Addressed CVE-2023-52160 in wpa-supplicant to increase overall cybersecurity level.

- Addressed CVE-2024-0067, CVE-2024-6173, CVE-2024-6509. For more information, please visit the *Axis vulnerability management portal.*

Corrections

- Resolved an issue where SSH users could retain access after a factory default with kept IP settings.

- Corrected a stream crash caused by invalid float values in CGI input.

- Implemented DNS cache for O3C client to reduce DNS lookups.

AXIS OS 8.40.48

Release date: 2024-05-29

Cybersecurity updates

- Addressed CVE-2024-0066. For more information, please visit the *Axis vulnerability management portal.*

- The parameter RemoteService.ProxyPassword that controls the proxy password has been masked and made unreadable for security reasons.

AXIS OS 8.40.43

Release date: 2024-03-04

Cybersecurity updates

- Addressed CVE-2024-0054. For more information, please visit the *Axis vulnerability management portal.*

- Addressed CVE-2023-5800. For more information, please visit the *Axis vulnerability management portal.*

- Updated OpenSSL to version 1.1.1x to increase overall cybersecurity level.

- Updated OpenSSH to version 9.6p1 to increase overall cybersecurity level.

- Updated *Apache to version 2.4.58* to increase overall cybersecurity level.

Important

This is the last release on the AXIS OS LTS 2018 track.

- The following products will not receive any further releases as their hardware warranty and software support period has expired:

- The following products will continue to receive releases until their hardware warranty and software support period expires:

All other products have the later LTS tracks. See the for a complete list of products and their support status.

AXIS OS 8.40.37

Release date: 2023–11–01

Cybersecurity updates

- Updated *cURL to version 8.4.0* to increase overall cybersecurity level.

Corrections

- Corrected CVE-2023-21418. For more information, please visit the *Axis vulnerability management portal.*

AXIS OS 8.40.35

Release date: 2023–10–09

Cybersecurity updates

- Updated *cURL to version 8.3.0* to increase overall cybersecurity level.
- Updated OpenSSL to version 1.1.1w to increase the overall cybersecurity level.

Corrections

- Corrected CVE-2023-21415. For more information, please visit the *Axis vulnerability management portal.*

AXIS OS 8.40.31

Release date: 2023–09–05

Cybersecurity updates

- Updated *cURL to version 8.2.0* to increase overall cybersecurity level.
- Updated OpenSSL to version 1.1.1v to increase the overall cybersecurity level.

Corrections

- Netd Service preserves the static resolver configuration even after a soft restore, safeguarding static DNS/Search domain settings.

AXIS OS 8.40.26

Release date: 2023–06–26

Features

- Improved UPnP compliance by updating the SSDP (Simple Service Discovery Protocol) SERVER header in the standard "OS/version UPnP/1.0 product/version" format and USN (Unique Service Name) field with a UUID in the standard format. This enhances consistency and compatibility.

Cybersecurity updates

- Updated *Apache to version 2.4.57* to increase the overall cybersecurity level.
- Updated *cURL to version 8.1.0* to increase overall cybersecurity level.
- Updated OpenSSL to version 1.1.1u to increase the overall cybersecurity level.
- Updated libupnp to version 1.14.16, solving a memory leak and improving overall stability.

Corrections

- Corrected an issue with OAK (owner authentication key). It now only produces warnings in the log instead of errors if the device is not able to connect to the internet.

AXIS OS 8.40.19

Release date: 2023–04–26

Features

- Updated *Apache to version 2.4.56* to increase the overall cybersecurity level.

- Updated *cURL to version 8.0.1* to increase overall cybersecurity level.
- Improved the manager client certificates and added support for installing multiple trust certificates and requesting/installing a second client certificate.

AXIS OS 8.40.15

Release date: 2023-03-13

Features

- Updated *Apache to version 2.4.55* to increase the overall cybersecurity level.
- Updated *cURL to version 7.88.1* to increase overall cybersecurity level.
- Updated OpenSSL to version 1.1.1t to increase overall cybersecurity level.
- Receiving ICMP secure redirects from other network hosts are now disabled to increase overall minimum cyber security level.

Corrections

- Corrected an issue affecting some O3C clients, that caused internal authentication requests to fail after a few days of uptime.
- Improved stability of syslog system by addressing a potential memory leak.
- Corrected an issue with the audio transmit function where the response to /axis- cgi/audio/transmit.cgi is returning a '400 Bad Request' error.Applies to: All products with audio support
- Corrected an issue with simultaneous PTZ ONVIF requests.Applies to: AXIS P5514-E, AXIS P5515, AXIS M5525-E, AXIS P5624-E Mk II, AXIS P5635-E Mk II, AXIS Q1785-LE, AXIS Q1786-LE, AXIS Q6052/-E, AXIS Q6054/-E, AXIS Q6054/-E Mk II, AXIS Q6054/-E Mk III, AXIS Q6055/-E/-C/-S, AXIS Q6124-E, AXIS Q6125-LEAXIS Q8641-E, AXIS Q8642-E, D201-S XPT Q6055 and ExCam XPT Q6055

AXIS OS 8.40.8

Release date: 2022-12-12

Features

- New versioning on AXIS OS LTS 2018. For more information, see *AXIS OS versioning*.
- Updated OpenSSL to version 1.1.1s to increase the overall cybersecurity level.
- Updated cURL to version 7.86.0 to increase overall cybersecurity level.

Corrections

- Corrected an issue that caused a wrong file size to be reported for recordings larger than 50MB when using FTP.
- Corrected an issue that prevented streaming in always-multicast mode when the device was started without network connection.
- Corrected an issue in the bootloader that prevented upgrade to AXIS OS LTS 2020 - 9.80.Applies to: AXIS P1435-E/-LE, AXIS P3904-R Mk II and AXIS P3905-R Mk II
- Increase the number of audio files for pre-configured sounds from 10 to 50.Applies to: AXIS M5525-E

AXIS OS 8.40.4.7

Release date: 2022-10-18

Features and corrections

- Updated cURL to version 7.85.0 to increase overall cybersecurity level.
- Updated OpenSSL to version 1.1.1q to increase the overall cybersecurity.

Corrections

- General improvements to the LTS-2018 platform.

- Corrected an issue that caused audio via external VMS to stop working.

- Improved wide zoom (optical zoom 1x) Autofocus quality during night time conditions.Applies to: AXIS Q6155-E and AXIS Q6154-E

AXIS OS 8.40.4.6

Release date: 2022-07-21

Features

- Updated Apache web server to version 2.4.54 to increase overall cybersecurity level.

- Updated OpenSSL to version 1.1.1p to increase overall cybersecurity level.

- Updated cURL to version 7.83.1 to increase overall cybersecurity level.

Corrections

- Corrected an issue where the time tooltip was not displaying the correct date after passing midnight. Also, the date in the recordings list and the export was sometimes 1 day off.

- Corrected an issue where 802.1X would not trust the intermediate certificate authority (CA).

- Corrected an issue that caused time-out while reading boot block parameters.

AXIS OS 8.40.4.5

Release date: 2022-05-18 (to be rolled out within 3 weeks of release date)

Features

- Updated Apache to version 2.4.53 to increase overall cybersecurity level.

- Updated OpenSSL to version 1.1.1o to increase the overall cybersecurity level.

- Updated wpa-supplicant to version 2.10 to increase overall cybersecurity level.

Corrections

- General improvements to the LTS 2018 platform.

- Receiving ICMP redirects from other network hosts is now disabled to increase overall minimum cybersecurity level.

- Improved memory management in the network services daemon.

- Corrected an issue that caused the send images event to stop uploading towards a FTP server when the filename included a space (" ").

- Corrected *CVE-2018-25032.*

AXIS OS 8.40.4.4

Release date: 2022-01-24 (to be rolled out within 3 weeks of release date)

Features

- Updated Apache to version 2.4.52 to increase overall cybersecurity level.

- Updated OpenSSL to version 1.1.1m to increase overall cybersecurity level.

- Updated cURL to version 7.79.1 to increase overall cybersecurity level.

Corretions

- The remote syslog configuration is now preserved during a AXIS OS update within the same track.

- Improved handling of empty recordings.

- Corrected an issue that prevented AXIS OS upgrade from LTS 2016 (6.50).

- Corrected *CVE-2021-3658*.Applies to: AXIS Companion Cube LW, AXIS M1045-LW, AXIS M1065-LW, AXIS M3044-WV and AXIS M3045-W

- Improved stability of the imaging processing to prevent crashes in some darkness conditions.Applies to: AXIS Companion Dome V

- Corrected an issue that could cause 'transmit.cgi' to close connection prematurely when transmitting audio to the camera.Applies to: AXIS Companion Cube L/-LW, AXIS FA54, AXIS M1065-L/-LW, AXIS P1364/-E, AXIS P1365/-E Mk II, AXIS P1367/-E, AXIS P1368-E, AXIS P1445-LE, AXIS P1445-LE-3, AXIS P1447-LE, AXIS P1448-LE, AXIS P3235-LV/-LVE, AXIS P3374-V/-LV, AXIS P3375-V/-VE/-LV/-LVE, AXIS Q1615/-E Mk II, AXIS Q1645/-LE, AXIS Q1647/-LE, AXIS Q1659, AXIS Q1785-LE, AXIS Q1786-LE, AXIS Q1941-E, AXIS Q1942-E, AXIS Q3515-LV/-LVE, AXIS Q3517-LV/-LVE/-SLVE, AXIS Q3518-LVE, ExCam XF Q1645 and XP40-Q1942

AXIS OS 8.40.4.3

Release date: 2021-10-04 (to be rolled out within 3 weeks of release date)

Features

- Updated Apache to version 2.4.48 to increase overall cybersecurity level.

- Updated OpenSSL to version 1.1.1l to increase overall cyber security level.

- Updated cURL to version 7.78.0 to increase overall cybersecurity level.

- Updated OpenSSH to version 8.6p1 to increase the overall minimum cybersecurity level.

Corrections

- Corrected an issue that in combination with some VMSes and low resolution could cause brief disconnections in the video stream.

- Improved memory management in the network services daemon.

- Improved memory management in the DHCP lease update daemon.

- Corrected an issue that prevented the Axis device to respond with "HTTP 403 Forbidden" when the source-ip address was blocked when using PreventDOSAttack in **Plain Config > System**. Previously "HTTP 401 Unauthorized" was returned.

- Corrected nice names for the PreventDoSAttack parameters in **Settings > System > Plain Config > System > PreventDoSAttack**.

- Corrected an issue that did not account for MTU packet fragmentation for IEEE 802.1x authentication. Previously the Axis device was not able to authenticate properly against an 802.1x network when the MTU was configured to 1410 or lower.

- Corrected an issue that prevented streaming in always-multicast mode on rare occasions.

- Extended the 802.1x EAP-Identity field character limit from 32 to 128 characters.

- Corrected an issue that interrupted the NTP-time-sync between the Axis device and NTP-server when the NTP-server was unstable and suffered fluctuating time-changes.

- Corrected an issue that could cause an RTSP stream to stop after 60+ seconds if streamed to an openRTSP client.

- Corrected the following CVE:s
  - *CVE-2021-31988*
  - *CVE-2021-31987*
  - *CVE-2021-31986*
  - *CVE-2021-27219*
  - *CVE-2021-27218*

- – *CVE-2020-26558*Affected products: AXIS M1045-LW, AXIS M1065-LW, AXIS M3045-WV, AXIS M3044-WV, AXIS Companion Cube LW and AXIS Companion Dome WV

  – *CVE-2019-12450*

- Corrected an issue that caused images to be unusually dark when using WDR mode.Applies to: AXIS Companion Bullet LE, AXIS Companion Eye L/-LVE, AXIS M1124/-E, AXIS M1125/-E, AXIS M2025-LE, AXIS M3104-L/-LVE, AXIS M3105-L/-LVE, AXIS P1244, AXIS P1245, AXIS P1254, AXIS P1264, AXIS P1265, AXIS P1275, AXIS P1280-E, AXIS P1290-E, AXIS P1364/-E, AXIS P1365/-E Mk II, AXIS P1435-E/-LE, AXIS P3224-V/-VE/-LV/-LVE Mk II, AXIS P3225-V/-VE/-LV/-LVE Mk II, AXIS P3235-LV/-LVE, AXIS P3374-V/-LV, AXIS P3375-V/-VE/-LV/-LVE, AXIS Q1615/-E Mk II, AXIS Q1941-E, AXIS Q1941-E PT Mount, AXIS Q1942-E, AXIS Q1942-E PT Mount, AXIS Q3615-VE, AXIS Q3617-VE, AXIS Q6154-E, AXIS Q8641-E, AXIS Q8642-E and XP40-Q1942

- Corrected an issue that caused installation of ACAP using packagemanager.cgi to fail.Applies to: AXIS M3045-V

- Improved system stability when streaming multiple video streams at the same time.Applies to: AXIS FA54

- Improved stability in recording management.Applies to: AXIS Companion Cube L/-LW, AXIS Companion Dome V/-WV, AXIS M1045-LW, AXIS M1065-L/-LW, AXIS M2026-LE, AXIS M3044-V/-WV, AXIS M3045-V/-WV, AXIS M3046-V, AXIS P9106-V, AXIS M3106-L/-LVE

AXIS OS 8.40.4.2

Release date: 2021-04-19 (to be rolled out within 3 weeks of release date)

Features

- Updated OpenSSL to version 1.1.1k to fix *CVE-2021-3449* and *CVE-2021-3450.*

- Updated cURL to version 7.73.0 to increase overall cybersecurity level.

Corrections

- Improved Link Layer Discovery Protocol (LLDP) system stability.

- Corrected an issue that caused IEEE 802.1x network authentication to fail sometimes after unexpected reboots.

- Corrected an issue in oak.cgi that could cause invalid requests.

- Corrected an issue that caused the value of Quality of Service (QoS) to not be respected in always multicast mode.

- Corrected an issue that caused PKCS#12-formatted certificate uploads to fail when certain special characters were used as a password.

- Corrected an issue that caused video clients to not display a low-FPS video stream due to missing base FPS info in VUI timing info.Applies to: AXIS FA54, AXIS M3057-PLVE, AXIS M3058-PLVE, AXIS P1367/-E, AXIS P1368-E, AXIS P1445-LE, AXIS P1445-LE-3, AXIS P1447-LE, AXIS P1448-LE, AXIS P3227-LV/-LVE, AXIS P3228-LV/-LVE, AXIS Q1645/-LE, AXIS Q1647/-LE, AXIS Q1659, AXIS Q1785-LE, AXIS Q1786-LE, AXIS Q3515-LV/-LVE, AXIS Q3517-LV/-LVE/-SLVE and AXIS Q3518-LVE

- Corrected an issue that could cause live image to blink in dark conditions on rare occasions.Applies to: AXIS FA54, AXIS M3057-PLVE, AXIS M3058-PLVE, AXIS P1367/-E, AXIS P1368-E, AXIS P1445-LE, AXIS P1445-LE-3, AXIS P1447-LE, AXIS P1448-LE, AXIS P3227-LV/-LVE, AXIS P3228-LV/-LVE, AXIS Q1645/-LE, AXIS Q1647/-LE, AXIS Q1659, AXIS Q1785-LE, AXIS Q1786-LE, AXIS Q3515-LV/-LVE, AXIS Q3517-LV/-LVE/-SLVE and AXIS Q3518-LVE

- Corrected an issue with pause-frame handling that could cause network disconnections if pause-frames were enabled and used in the network.Applies to: AXIS FA54, AXIS M3057-PLVE, AXIS M3058-PLVE, AXIS P1367/-E, AXIS P1368-E, AXIS P1445-LE, AXIS P1445-LE-3, AXIS P1447-LE, AXIS P1448-LE, AXIS P3227-LV/-LVE, AXIS P3228-LV/-LVE, AXIS Q1645/-LE, AXIS Q1647/-LE, AXIS Q1659, AXIS Q1785-LE, AXIS Q1786-LE, AXIS Q3515-LV/-LVE, AXIS Q3517-LV/-LVE/-SLVE and AXIS Q3518-LVE

- Corrected an issue that prevented the device to utilize the available network bandwidth in high-latency networks such as 4G cellular network.Applies to: AXIS FA54, AXIS M3057-PLVE, AXIS M3058-PLVE, AXIS P1367/-E, AXIS P1368-E, AXIS P1445-LE, AXIS P1445-LE-3, AXIS P1447-LE, AXIS P1448-LE, AXIS P3227-LV/-LVE, AXIS P3228-LV/-LVE, AXIS Q1645/-LE, AXIS Q1647/-LE, AXIS Q1659, AXIS Q1785-LE, AXIS Q1786-LE, AXIS Q3515-LV/-LVE, AXIS Q3517-LV/-LVE/-SLVE and AXIS Q3518-LVE

AXIS OS 8.40.4.1

Release date: 2020-11-16 (to be rolled out within 3 weeks of release date)

Features

- Updated Apache to version 2.4.46 to increase overall cybersecurity level.

- Added support for HTTP Strict Transport Security (HSTS) when using HTTPS.

- Reduced time to build-up an RTSP video stream by 30% and more.

Corrections

- Corrected an issue that caused an error message to pop up when pressing the test button of an event using HTTP recipients.

- Corrected an issue that caused distorted H.265 streams on rare occasions.Applies to: AXIS M2026-LE Mk II, AXIS M3015, AXIS M3016, and AXIS M3106-L/-LVE Mk II

- Corrected an issue that could cause image to shake when Electronic Image Stabilization (EIS) was activated during high zoom (x32) operations.Applies to: AXIS Q1785-LE and AXIS Q1786-LE

PSS 6.50

Go to for a list of products that will continue to receive updates.
The list will be modified over time as the expiry date of the products varies, and it is only valid for the latest release.
Although supported products are planned to receive updates twice a year, they will receive security patches whenever it is deemed necessary.

AXIS OS 6.50.5.21

Release date: 2025-10-20

Cybersecurity

- Updated Apache to version 2.4.65 to increase overall cybersecurity level.

- Updated cURL to version 8.16.0 to increase overall cybersecurity level.

- Updated OpenSSH to version 10.0p1 to increase overall cybersecurity level.

- Updated OpenSSL to version 1.1.1zc to increase overall cybersecurity level.

- Updated OpenSSH to version 9.9p2, addressing *CVE-2025-26466*.

- Addressed *CVE-2025-0325*, *CVE-2023-5677* and *CVE-2025-32728*. For more information, please visit the *Axis vulnerability management portal*.

- Addressed *CVE-2025-9524*. This CVE will be externally disclosed on 11 November 2025, more detailed information will follow then. For more information, please visit the *Axis vulnerability management portal*.

Corrections

- Corrected an issue where SMTP DATA messages were incorrectly terminated, causing compatibility issues with strict SMTP servers like Postfix.

- Corrected an issue where SMTP DATA messages did include additional not needed null characters.

AXIS OS 6.50.5.20

Release date: 2025-03-05

Cybersecurity

- Addressed *CVE-2024-47262*. This CVE will be externally disclosed on 4 March 2025, more detailed information will follow then. For more information, please visit the *Axis vulnerability management portal*.

- Updated wpa-supplicant to version 2.11 to increase overall cybersecurity level.

- Updated cURL to version 8.11.1 to increase overall cybersecurity level.

Corrections

- Improved "Start Recording" functionality to prevent simultaneous continuous recording.

AXIS OS 6.50.5.19

Release date: 2024-11-13

Cybersecurity updates

- Updated cURL to version 8.10.1 to increase overall cybersecurity level.

- Updated OpenSSL to version 1.1.1za, addressing *CVE-2024-5535*.

- Updated OpenSSH to version 9.8p1, addressing *CVE-2024-6387*.

- Updated Apache to version 2.4.62, addressing *CVE-2024-40725* and *CVE-2024-40898*.

- Updated libssh2 to version 1.11.0, addressing *CVE-2023-48795*.

- Addressed *CVE-2023-52160* in wpa-supplicant to increase overall cybersecurity level.

- Addressed *CVE-2024-47257*. This CVE will be externally disclosed on 26 November 2024 as part of our ongoing commitment to cybersecurity. Detailed information will follow then. For more information, please visit the *Axis vulnerability management portal*.

- Improved certificate management service stability and reliability.

Corrections

- Corrected issue with SSH user access after factory default with kept IP settings.

- Added DNS cache for O3C client to reduce DNS lookup times.

AXIS OS 6.50.5.18

Release date: 2024-05-28

Cybersecurity updates

- Addressed CVE-2024-0066. For more information, please visit the *Axis vulnerability management portal*.

- Updated *cURL to version 8.7.1* to increase overall cybersecurity level.

- Updated OpenSSH to version 9.6p1 to increase overall cybersecurity level.

AXIS OS 6.50.5.17

Release date: 2024-03-19

Cybersecurity updates

- Updated *cURL to version 8.6.0* to increase overall cybersecurity level.

- Updated OpenSSL to version 1.1.1x to increase overall cybersecurity level.

AXIS OS 6.50.5.16

Release date: 2024-01-29

Cybersecurity updates

- Updated Apache to version 2.4.58 to increase the overall cybersecurity level.

Corrections

- Netd Service now preserves the static resolver configuration even after a soft reset, protecting static DNS/Search domain settings.

AXIS OS 6.50.5.15

Release date: 2023-11-08

Cybersecurity updates

- Updated *cURL to version 8.4.0* to increase overall cybersecurity level.

- Addressed CVE-2023-21418. For more information, please visit the *Axis vulnerability management portal*.

AXIS OS 6.50.5.14

Release date: 2023-10-19

Cybersecurity updates

- Updated *cURL to version 8.3.0* to increase overall cybersecurity level.
- Updated OpenSSL to version 1.1.1w to increase the overall cybersecurity level.

Corrections

- Corrected CVE-2023-21415. For more information, please visit the *Axis vulnerability management portal.*

AXIS OS 6.50.5.13

Release date: 2023-08-28

Cybersecurity updates

- Updated *cURL to version 8.2.0* to increase overall cybersecurity level.
- Updated OpenSSL to version 1.1.1v to increase the overall cybersecurity level.

Corrections

- Resolved an issue where the respawn daemon incorrectly managed restarts for ACAP services, notably in situations with multiple acaps running simultaneously.

AXIS OS 6.50.5.12

Release date: 2023-08-02

Features

- General improvements to the platform.

Cybersecurity updates

- Added proxy configuration support to the Owner Authentication Key (OAK) cgi using group root. RemoteService, simplifying setup on networks requiring proxy servers for Internet access and improving the authentication process.
- Updated *Apache to version 2.4.57* to increase the overall cybersecurity level.
- Updated OpenSSL to version 1.1.1u to increase the overall cybersecurity level.

AXIS OS 6.50.5.11

Release date: 2023-05-29

Features

- Updated *Apache to version 2.4.56* to increase the overall cybersecurity level.
- Updated *cURL to version 8.0.1* to increase overall cybersecurity level.
- Added support for a second client certificate.

AXIS OS 6.50.5.10

Release date: 2023-04-04

Features

- Updated *Apache to version 2.4.55* to increase the overall cybersecurity level.
- Updated OpenSSL to version 1.1.1t to increase overall cybersecurity level.
- Updated *cURL to version 7.88.1* to increase overall cybersecurity level.

Corrections

- Corrected an issue affecting some O3C clients, that caused internal authentication requests to fail after a few days of uptime.

AXIS OS 6.50.5.8

Release date: 2023-02-09

Corrections

- Disabled secure redirects from other network hosts net.ipv4.conf.all.secure_redirects & net.ipv4.conf. default.secure_redirects, to increase overall minimum cybersecurity level.

- Corrected a restart issue caused by tilting the PTZ camera to 90 degrees. The issue was introduced in version 6.50.5.5 and 6.50.5.6.Applies to: AXIS Q6128-E

- Corrected an issue with the audio transmit function where the response to /axis- cgi/audio/transmit.cgi is returning a '400 Bad Request' error.Applies to: All products with audio support

Important

This is the last release on the AXIS OS LTS 2016 track.

The following product will continue to receive releases until the hardware warranty and software maintenance period has expired:
AXIS F34, AXIS F41, AXIS F44 Dual audio input, AXIS M1145/-L, AXIS M3026-VE, AXIS M3027-PVE, AXIS M7011, AXIS P1427-E/-LE, AXIS P3353, AXIS P3354, AXIS P3363-V/-VE, AXIS P3364-V/-VE/-LV/-LVE, AXIS P3365-V/-VE, AXIS P3367-V/-VE, AXIS P3384-V/-VE, AXIS P3707-PE, AXIS P3904-R, AXIS P3905-R/-RE, AXIS P3915-R, AXIS P5414-E, AXIS P5415-E, AXIS P7224, AXIS P8535, AXIS P8804, AXIS P8804-2, AXIS Q1615/-E, AXIS Q1635/-E, AXIS Q1765-LE PT Mount, AXIS Q1765-LE, AXIS Q2901-E PT Mount, A XIS Q2901-E, AXIS Q6000-E/ MK II, AXIS Q6114-E, AXIS Q6115-E, AXIS Q6128-E, AXIS Q7411, AXIS Q7436, AXIS Q8414-LV, AXIS Q8665-E/-LE, XF40-Q1765, XF40-Q2901, XF60-Q1765, XF60-Q2901 and XP40-Q1765

The following products have later LTS tracks. Please upgrade to the latest version to increase cybersecurity:
AXIS M1124/-E, AXIS M1125/-E, AXIS P1364/-E, AXIS P1365/-E Mk II, AXIS P1435-E/-LE, AXIS P3904-R Mk II, AXIS P3905-R Mk II, AXIS P3915-R Mk II, AXIS P5514/-E, AXIS P5515/-E, AXIS P5624-E Mk II, AXIS P5635-E Mk II, AXIS Q1775/-E, AXIS Q6052/-E, AXIS Q6054/-E, AXIS Q6055/-E, AXIS Q6155-E, D201-S XPT Q6055 and ExCam XPT Q6055

The following products will not receive any more releases since the hardware warranty and software maintenance period has expired:
AXIS F44 Main unit, AXIS M3006-V, AXIS M3007-P/-PV, AXIS P1354/-E, AXIS P1353/-E, AXIS P1357/-E, AXIS P1365/-E, AXIS P1405-E/-LE, AXIS P1425-E/-LE, AXIS P3214-V/-VE, AXIS P3215-V/-VE, AXIS P3224-LV/-LVE, AXIS P3225-LV/-LVE, AXIS P5624-E, AXIS P5635-E, AXIS Q1604/-E, AXIS Q1614/-E, AXIS Q1931-E, AXIS Q1931-E PT Mount, AXIS Q1932-E, AXIS Q1932-E PT Mount, AXIS Q3505-V/-VE, AXIS Q6042/-E/-C/-S, AXIS Q6044/-E/-C/-S, AXIS Q6045/-E/-C/-S Mk II, AXIS Q8631-E and AXIS Q8632-E

AXIS OS 6.50.5.7

Release date: 2022-12-19

Features and corrections

- Updated Apache to version 2.4.54 to increase overall cybersecurity level.

- Updated OpenSSL to version 1.1.1s to increase the overall cybersecurity level.

- Updated cURL to version 7.86.0 to increase overall cybersecurity level.

- Corrected an issue that caused audio via external VMS to stop working.

- Corrected an issue that caused the wrong file size to be reported for recordings larger than 50MB when using FTP.

- Corrected an issue where 802.1X would not trust the intermediate certificate authority (CA).

AXIS OS 6.50.5.6

Release date: 2022-05-11 (to be rolled out within three weeks of release date)

Features

- Updated OpenSSL to version 1.1.1o to increase overall cybersecurity level.
- Updated Apache to version 2.4.53 to increase overall cybersecurity level.
- Updated cURL to version 7.79.1 to increase overall cybersecurity level.
- Updated wpa-supplicant to version 2.10 to increase overall cybersecurity level.

Corrections

- General improvements to the LTS 2016 platform.
- Receiving ICMP redirects from other network hosts is now disabled to increase overall minimum cybersecurity level.
- Improved handling of empty recordings.
- Corrected an issue with uploading RSA certificate with PKCS#8 formatted private keys.
- Corrected an issue that caused the send images event to stop uploading towards an FTP server when the filename included a space (" ").
- Corrected an issue with file permission when using disk encryption
- Corrected an issue that caused ONVIF AbsoluteMove commands to return a 500 Internal Server Error.
- Corrected *CVE-2021-29462*.
- Corrected *CVE-2020-13848*.
- Corrected *CVE-2019-15916*.

AXIS OS 6.50.5.5

Release date: 2021-10-25 (to be rolled out within three weeks of release date)

Features

- Updated Apache to version 2.4.48 to increase overall cybersecurity level.
- Updated OpenSSH to version 8.6p1 to increase the overall minimum cybersecurity level.
- Updated cURL to version 7.78.0 to increase overall cybersecurity level.
- Updated OpenSSL to version 1.1.1l to increase overall minimum cybersecurity level.

Corrections

- Corrected the following CVEs:
    - *CVE-2021-31988*
    - *CVE-2021-31987*
    - *CVE-2021-31986*
    - *CVE-2021-27219*
    - *CVE-2021-27218*
    - *CVE-2019-12450*
- Corrected an issue that caused video clients such as VLC to not display a low-FPS video stream due to missing base FPS info in VUI timing info.

AXIS OS 6.50.5.4

Release date: 2021-05-17 (to be rolled out within three weeks of release date)

Features

- Updated OpenSSL to version 1.1.1k to fix *CVE-2021-3449* and *CVE-2021-3450.*

Corrections

- Corrected an issue that caused the value of Quality of Service (QoS) to not be respected in always multicast mode.

AXIS OS 6.50.5.3

Release date: 2020-11-09 (to be rolled out within three weeks of release date)

Features

- Updated Apache to version 2.4.46 to increase overall cyber security level.

Corrections

- Corrected an issue that caused a test button in the web interface to not work when mounting network-attached atorage (NAS) configured with SMB v3.

- Added a sensitivity parameter for tampering detection in PlainConfig that can now be adjusted by the user.Applies to: AXIS P1244, AXIS P1245, AXIS P1254, AXIS P1264, AXIS P1265, AXIS P1275, AXIS P1364/-E, AXIS P1365/-E Mk II and AXIS P1435-E/-LE

- Corrected an issue that caused a failure to send images with action rules to email recipients.Applies to: AXIS P1244, AXIS P1245, AXIS P1254, AXIS P1264, AXIS P1265, AXIS P1275, AXIS P1364/-E, AXIS P1365/-E Mk II and AXIS P1435-E/-LE

Product groups

System-on-chip (SoC)

Features or corrections are sometimes applied to a group of products based on the system-on-chip (SoC). These groups are listed below and are sometimes referenced in the release notes.

For more information, visit *System-on-chip*.

AXIS ARTPEC–9

• AXIS P1475-LE	• AXIS Q1728/-LE
• AXIS P3275-LV/-LVE	• AXIS Q3546-LVE
• AXIS P3277-LV/-LVE	• AXIS Q3548-LVE
• AXIS P3278-LV/-LVE	• AXIS Q3556-LVE
• AXIS P3285-LV/-LVE	• AXIS Q3558-LVE
• AXIS P3287-LV/-LVE	• AXIS Q6355-LE
• AXIS P3288-LV/-LVE	• AXIS Q6358-LE

AXIS ARTPEC-8

• AXIS D2210-VE	• AXIS P1468-LE	• AXIS Q1800-LE-3
• AXIS F9104-B Mk II Main Unit	• AXIS P1468-XLE	• AXIS Q1805-LE
• AXIS F9111-R Mk II Main Unit	• AXIS P1518-E/-LE	• AXIS Q1806-LE
• AXIS F9114-B/-R Mk II Main Unit	• AXIS P3265-V/-LV/-LVE	• AXIS Q1808-LE
• AXIS I8307-VE	• AXIS P3265-LVE-3	• AXIS Q1809-LE
• AXIS M3215	• AXIS P3267-LV/-LVE/-LVE Mic	• AXIS Q1961-TE/-XTE
• AXIS M3216	• AXIS P3268-LV/-LVE/-SLVE	• AXIS Q1971-E
• AXIS M4225-LVE	• AXIS P3735-PLE	• AXIS Q1972-E
• AXIS M4227-LVE	• AXIS P3737-PLE	• AXIS Q2101-TE
• AXIS M4228-LVE	• AXIS P3738-PLE	• AXIS Q2111-E
• AXIS M4317-PLR/-PLVE	• AXIS P3747-PLVE	• AXIS Q2112-E
• AXIS M4318-PLR/-PLVE	• AXIS P3748-PLVE	• AXIS Q3536-LVE
• AXIS M4327-P	• AXIS P3827-PVE	• AXIS Q3538-LVE
• AXIS M4328-P	• AXIS P4705-PLVE	• AXIS Q3626-VE
• AXIS M5526-E	• AXIS P4707-PLVE	• AXIS Q3628-VE
• AXIS P1385/-B/-BE/-E	• AXIS P4708-PLVE	• AXIS Q3839-PVE/-SPVE
• AXIS P1387/-B/-BE/-LE	• AXIS P9117-PV	• AXIS Q4809-PVE
• AXIS P1388/-B-BE/-LE	• AXIS Q1656/-B/-BE/-BLE/-DLE/-LE	• AXIS Q6020-E
• AXIS P1465-LE	• AXIS Q1686-DLE	• AXIS Q6300-E
• AXIS P1465-LE-3	• AXIS Q1800-LE	• AXIS Q9307-LV
• AXIS P1467-LE		• AXIS XFQ1656

AXIS ARTPEC-7

• AXIS D2110-VE	• AXIS P1375/-E	• AXIS Q1715
• AXIS F9104-B Main Unit	• AXIS P1377/-LE	• AXIS Q1798-LE
• AXIS F9111 Main Unit	• AXIS P1378/-LE	• AXIS Q1951-E
• AXIS F9114 Main Unit	• AXIS P1455-LE	• AXIS Q1952-E
• AXIS F9114-B Main Unit	• AXIS P1455-LE-3	• AXIS Q3819-PVE
• AXIS I8016-LVE	• AXIS P3245-V/-VE/-LV/-LVE	• AXIS Q6074/-E
• AXIS M1134	• AXIS P3245-LVE-3	• AXIS Q6075/-E/-S/-SE
• AXIS M1135/-E	• AXIS P3247-LV/-LVE	• AXIS Q6078-E
• AXIS M1137/-E	• AXIS P3248-LV/-LVE	• AXIS Q6078-E Mk II
• AXIS M3057-PLVE Mk II	• AXIS P3255-LVE	• AXIS Q6135-LE
• AXIS M3067-P	• AXIS P3727-PLE	• AXIS Q6225-LE
• AXIS M3068-P	• AXIS P3818-PVE	• AXIS Q6315-LE
• AXIS M3077-PLVE	• AXIS P3925-R/-LRE	• AXIS Q6318-LE
• AXIS M3115-LVE	• AXIS P3935-LR	• AXIS Q8615-E
• AXIS M3116-LVE	• AXIS P5654-E	• AXIS Q8752-E
• AXIS M4308-PLE	• AXIS P5654-E Mk II	• AXIS V5925
• AXIS M5000/-G	• AXIS P5655-E	• AXIS V5938
• AXIS M5074	• AXIS P5676-LE	• D201-S XPT Q6075
• AXIS M5075/-G	• AXIS P7304	• ExCam XPT Q6075
• AXIS M7104	• AXIS P7316	• ExCam XF P1377
	• AXIS Q1615-/LE Mk III	• F101-AXF P1377

AXIS ARTPEC-6

• AXIS A8207-VE	• AXIS P3227-LV/-LVE	• AXIS Q3515-LV/-LVE
• AXIS A8207-VE Mk II	• AXIS P3228-LV/-LVE	• AXIS Q3517-LV/-LVE/-SLVE
• AXIS D2050-VE	• AXIS P3715-PLVE	• AXIS Q3518-LVE
• AXIS FA54	• AXIS P3717-PLE	• AXIS Q3527-LVE
• AXIS M3057-PLVE	• AXIS P3807-PVE	• AXIS Q6215-LE
• AXIS M3058-PLVE	• AXIS P8815-2	• AXIS XPQ1785
• AXIS P1367/-E	• AXIS Q1645/-LE	• D101-A XF P3807
• AXIS P1368-E	• AXIS Q1647/-LE	• ExCam XF P1367
• AXIS P1445-LE	• AXIS Q1659	• ExCam XF Q1645
• AXIS P1445-LE-3	• AXIS Q1700-LE	• ExCam XF Q1785
• AXIS P1447-LE	• AXIS Q1785-LE	• F101-A XF P1367
• AXIS P1448-LE	• AXIS Q1786-LE	• F101-A XF Q1785
		• XP40-Q1785

Ambarella CV25

• AXIS I8116-E	• AXIS M3085-V	• AXIS M4215-LV/-V
• AXIS I7010-VE/Safety	• AXIS M3086-V/-V Mic	• AXIS M4218-LV/-V
• AXIS I7020	• AXIS M3088-V	• AXIS M4216-LV/-V
• AXIS M1055-L	• AXIS M3125-LVE	• AXIS P1245 Mk II
• AXIS M1075-L	• AXIS M3126-LVE	• AXIS P1265 Mk II
• AXIS M2035-LE	• AXIS M3128-LVE	• AXIS P1275 Mk II
• AXIS M2036-LE		

Ambarella S5

• AXIS P3719-PLE
• AXIS Q6010-E
• AXIS Q6100-E

Ambarella S5L

• AXIS M3064-V	• AXIS M3206-LVE
• AXIS M3065-V	• AXIS Q9216-SLV
• AXIS M3066-V	• AXIS W100
• AXIS M3075-V	• AXIS W101
• AXIS M3205-LVE	

Ambarella S6LM

• AXIS D6310	• AXIS W102
• AXIS M3905-R	• AXIS W110
• AXIS P3905-R Mk III	• AXIS W120
	• AXIS W401

I.MX 6SX

• AXIS A1210/-B	• AXIS A1601
• AXIS C1210-E	• AXIS A1610/-B/-VE
• AXIS C1211-E	• AXIS A1710-B
• AXIS A1214	• AXIS A1810-B
• AXIS C1510	• AXIS C8110
• AXIS C1511	• AXIS C8210

I.MX 6ULL

- AXIS C1310-E
- AXIS C1410
- AXIS D3110
- AXIS D4100-E

I.MX 8M-NANO

- AXIS C1110-E
- AXIS C1111-E
- AXIS C1310-E Mk II
- AXIS C1410 Mk II

- AXIS D3110 Mk II
- AXIS D4100-VE Mk II
- AXIS D4200-VE
- AXIS XC1311

I.MX 8M-Mini

- AXIS C1710
- AXIS C1720
- AXIS C6110

I.MX 8QP/M

- AXIS D1110
- AXIS S3008
- AXIS S3008 Mk II

- AXIS S3016
- AXIS S4000

Products per track

The product groups below are based on the active track and the available LTS tracks.

Products on active track – AXIS OS 12

Note

The product list is subject to change, new products will be added over time.

- AXIS A1210/-B
- AXIS A1214
- AXIS A1601
- AXIS A1610/-B
- AXIS A8207-VE Mk II
- AXIS C1110-E
- AXIS C1111-E
- AXIS C1210-E
- AXIS C1211-E
- AXIS C1310-E Mk II
- AXIS C1410 Mk II
- AXIS C1510
- AXIS C1511
- AXIS C1610-VE
- AXIS C1710
- AXIS A1710-B
- AXIS A1810-B
- AXIS C1720
- AXIS C6110
- AXIS C8110
- AXIS C8210
- AXIS D1110
- AXIS D2110-VE
- AXIS D2210-VE
- AXIS D3110 Mk II
- AXIS D4100-VE Mk II
- AXIS D4200-VE
- AXIS D6310
- AXIS FA51/-B
- AXIS FA54
- AXIS F9104-B Main Unit
- AXIS F9104-B Mk II Main Unit
- AXIS F9111 Main Unit
- AXIS F9111-R Mk II Main Unit
- AXIS F9111 Mk II Main Unit
- AXIS F9114 Main Unit
- AXIS F9114-B Main Unit
- AXIS F9114-B/-R Mk II Main Unit

- AXIS M4216-LV/-V
- AXIS M4218-LV/-V
- AXIS M4225-LVE
- AXIS M4227-LVE
- AXIS M4228-LVE
- AXIS M4308-PLE
- AXIS M4317-PLR/-PLVE
- AXIS M4318-PLVE
- AXIS M4327-P
- AXIS M4328-P
- AXIS M5000/-G
- AXIS M5074
- AXIS M5075/-G
- AXIS M5526-E
- AXIS M7104
- AXIS M7116
- AXIS P1245 Mk II
- AXIS P1265 Mk II
- AXIS P1275 Mk II
- AXIS P1385/-B/-BE/-E
- AXIS P1387/-B/-BE/-LE
- AXIS P1388/-B/-BE/-LE
- AXIS P1465-LE
- AXIS P1465-LE-3
- AXIS P1467-LE
- AXIS P1468-LE
- AXIS P1468-XLE
- AXIS P1475-LE
- AXIS P1518-E/-LE
- AXIS P3265-V/-LV/-LVE
- AXIS P3265-LVE-3
- AXIS P3267-LV/-LVE/-LVE Mic
- AXIS P3268-LV/-LVE/-SLVE
- AXIS P3275-LV/-LVE
- AXIS P3277-LV/-LVE
- AXIS P3278-LV/-LVE
- AXIS P3285-LV/-LVE
- AXIS P3287-LV/-LVE
- AXIS P3288-LV/-LVE
- AXIS P3735-PLE

- AXIS Q1656/-B/-BE/-BLE/-DLE/-LE
- AXIS Q1686-DLE
- AXIS Q1715
- AXIS Q1728/-LE
- AXIS Q1798-LE
- AXIS Q1800-LE
- AXIS Q1800-LE-3
- AXIS Q1805-LE
- AXIS Q1806-LE
- AXIS Q1808-LE
- AXIS Q1809-LE
- AXIS Q1961-TE/-XTE
- AXIS Q1971-E
- AXIS Q1972-E
- AXIS Q2101-TE
- AXIS Q2111-E
- AXIS Q2112-E
- AXIS Q3536-LVE
- AXIS Q3538-LVE/-SLVE
- AXIS Q3626-VE
- AXIS Q3546-LVE
- AXIS Q3548-LVE
- AXIS Q3556-LVE
- AXIS Q3558-LVE
- AXIS Q3628-VE
- AXIS Q3819-PVE
- AXIS Q3839-PVE/-SPVE
- AXIS Q4809-PVE
- AXIS Q6020-E
- AXIS Q6074/-E
- AXIS Q6075/-E/-S/-SE
- AXIS Q6078-E
- AXIS Q6135-LE
- AXIS Q6225-LE
- AXIS Q6300-E
- AXIS Q6315-LE
- AXIS Q6318-LE
- AXIS Q6355-LE
- AXIS Q6358-LE
- AXIS Q8615-E

• AXIS I7010-VE/Safety	• AXIS P3737-PLE	• AXIS Q8752-E
• AXIS I7020	• AXIS P3738-PLE	• AXIS Q8752-E Mk II
• AXIS I8016-LVE	• AXIS P3747-PLVE	• AXIS Q9307-LV
• AXIS I8116-E	• AXIS P3748-PLVE	• AXIS S3008
• AXIS I8307-VE	• AXIS P3818-PVE	• AXIS S3008 Mk II
• AXIS M1055-L	• AXIS P3827-PVE	• AXIS S3016
• AXIS M1075-L	• AXIS P3905-R Mk III	• AXIS S4000
• AXIS M1135/-E Mk II	• AXIS P3925-R/-LRE	• AXIS V5925
• AXIS M1137/-E Mk II	• AXIS P3935-LR	• AXIS V5938
• AXIS M2035-LE	• AXIS M4318-PLR	• AXIS W100
• AXIS M2036-LE	• AXIS P4705-PLVE	• AXIS W101
• AXIS M3057-PLR Mk II	• AXIS P4707-PLVE	• AXIS W102
• AXIS M3085-V	• AXIS P4708-PLVE	• AXIS W110
• AXIS M3086-V	• AXIS P5654-E	• AXIS W120
• AXIS M3086-V Mic	• AXIS P5654-E MK II	• AXIS W401
• AXIS M3088-V	• AXIS P5655-E	• AXIS XC1311
• AXIS M3125-LVE	• AXIS P5676-LE	• AXIS XFQ1656
• AXIS M3126-LVE	• AXIS P7304	• AXIS XPQ1785
• AXIS M3128-LVE	• AXIS P7316	• D201-S XPT Q6075
• AXIS M3215-LVE	• AXIS P9117-PV	• ExCam XF Q1785
• AXIS M3216-LVE	• AXIS Q1615 Mk III	• ExCam XPT Q6075
• AXIS M3905-R	• AXIS Q1615-LE Mk III	• XF40-Q1785
• AXIS M4215-LV/-V		

Products on LTS 2024 – 11.11

Note

LTS 2024 is supported until 2029-12-31. After the end-of-support date, the following occurs:

- A number of products will continue to receive product-specific support (PSS) until their software support period expires.
- Certain products have already reached their end-of-support and will not receive further releases.
- Some products have newer LTS track and will not receive further updates on LTS 2024.

The following products will continue to receive releases after 2029-12-31 until the software support period expires.

• AXIS D3110	• AXIS Q1951-E	• AXIS Q6010-E
• AXIS D4100-E	• AXIS Q1952-E	• AXIS Q9216-SLV
• AXIS P8815-2		

The following products will not receive further releases after 2029-12-31 since the software support period expires then.

• AXIS A8207-VE	• AXIS P3228-LV	• AXIS Q1659
• AXIS C1310-E	• AXIS P3228-LVE	• AXIS Q1700-LE
• AXIS M3057-PLVE Mk II	• AXIS P3245-LV	• AXIS Q1785-LE
• AXIS M3067-P	• AXIS P3245-LVE	• AXIS Q1786-LE
• AXIS M3068-P	• AXIS P3245-LVE-3	• AXIS Q3515-LV
• AXIS P1245 Mk II	• AXIS P3245-V	• AXIS Q3515-LVE
• AXIS P1265 Mk II	• AXIS P3245-VE	• AXIS Q3517-LV
• AXIS P1275 Mk II	• AXIS P3247-LV	• AXIS Q3517-LVE
• AXIS P1375/-E	• AXIS P3247-LVE	• AXIS Q3517-SLVE
• AXIS P1377/-LE	• AXIS P3248-LV	• AXIS Q3518-LVE
• AXIS P1378/-LE	• AXIS P3248-LVE	• AXIS Q3527-LVE
• AXIS P1445-LE	• AXIS P3255-LVE	• AXIS Q6100-E
• AXIS P1445-LE-3	• AXIS P3715-PLVE	• AXIS Q6215-LE
• AXIS P1447-LE	• AXIS P3717-PLE	• D101-A XF P3807
• AXIS P1448-LE	• AXIS P3719-PLE	• F101-A XF P1377
• AXIS P1455-LE	• AXIS P3727-PLE	• F101-A XF Q1785
• AXIS P1455-LE-3	• AXIS P3807-PVE	• ExCam XF P1377
• AXIS P3227-LV	• AXIS Q1645/-LE	• ExCam XF Q1645
• AXIS P3227-LVE	• AXIS Q1647/-LE	• XP40-Q1785

The following products have at least one newer LTS track. Please upgrade to newer LTS to improve cybersecurity.

- AXIS A8207-VE Mk II
- AXIS C1110-E
- AXIS C1111-E
- AXIS C1210-E
- AXIS C1211-E
- AXIS C1310-E Mk II
- AXIS C1410
- AXIS C1410 Mk II
- AXIS C1510
- AXIS C1511
- AXIS C1610-VE
- AXIS C8110
- AXIS C8210
- AXIS D1110
- AXIS D2110-VE
- AXIS D2210-VE
- AXIS FA51/-B
- AXIS FA54
- AXIS F9104-B Main Unit
- AXIS F9111 Main Unit
- AXIS F9114 Main Unit
- AXIS F9114-B Main Unit
- AXIS I7010-VE/Safety
- AXIS I7020
- AXIS I8016-LVE
- AXIS I8116-E
- AXIS M1055-L
- AXIS M1075-L
- AXIS M1135/-E Mk II
- AXIS M1137/-E Mk II
- AXIS M2035-LE
- AXIS M2036-LE
- AXIS M3057-PLR Mk II
- AXIS M3077-PLVE
- AXIS M3085-V
- AXIS M3086-V/-V Mic
- AXIS M3088-V
- AXIS M3125-LVE
- AXIS M3126-LVE
- AXIS M3128-LVE

- AXIS M3216
- AXIS M3216-LVE
- AXIS M3905-R
- AXIS M4215-LV/-V
- AXIS M4216-LV/-V
- AXIS M4218-LV/-V
- AXIS M4308-PLE
- AXIS M4317-PLR/-PLVE
- AXIS M4318-PLR/-PLVE
- AXIS M4327-P
- AXIS M4328-P
- AXIS M5000/-G
- AXIS M5074
- AXIS M5075/-G
- AXIS M5526-E
- AXIS M7104
- AXIS M7116
- AXIS P1385/-B/-BE/-E
- AXIS P1387/-B/-BE/-LE
- AXIS P1388/-B/-BE/-LE
- AXIS P1465-LE
- AXIS P1465-LE-3
- AXIS P1467-LE
- AXIS P1468-LE
- AXIS P1468-XLE
- AXIS P3265-V/-LV/-LVE/-LVE-3
- AXIS P3267-LV/-LVE/-LVE Mic
- AXIS P3268-LV/-LVE/-SLVE
- AXIS P3735-PLE
- AXIS P3737-PLE
- AXIS P3738-PLE
- AXIS P3818-PVE
- AXIS P3827-PVE
- AXIS P3905-R Mk III
- AXIS P3925-R/-LRE
- AXIS P3935-LR
- AXIS P4705-PLVE
- AXIS P4707-PLVE
- AXIS P4708-PLVE

- AXIS P5676-LE
- AXIS P7304
- AXIS P7316
- AXIS P9117-PV
- AXIS Q1615
- AXIS Q1615-LE Mk III
- AXIS Q1656/-B/-BE/-BLE/-DLE/-LE
- AXIS Q1715
- AXIS Q1798-LE
- AXIS Q1805-LE
- AXIS Q1806-LE
- AXIS Q1808-LE
- AXIS Q1809-LE 150 mm
- AXIS Q1961-TE/-XTE
- AXIS Q2101-TE
- AXIS Q3536-LVE
- AXIS Q3538-LVE/-SLVE
- AXIS Q3626-VE
- AXIS Q3628-VE
- AXIS Q3819-PVE
- AXIS Q6074/-E
- AXIS Q6075/-E/-S/-SE
- AXIS Q6078-E
- AXIS Q6135-LE
- AXIS Q6225-LE
- AXIS Q6315-LE
- AXIS Q6318-LE
- AXIS Q8615-E
- AXIS Q8752-E
- AXIS Q9307-LV
- AXIS S3008
- AXIS S3008 Mk II
- AXIS S3016
- AXIS V5925
- AXIS V5938
- AXIS XC1311
- AXIS XPQ1785
- AXIS XFQ1656
- D201-S XPT Q6075
- ExCam XF Q1785

• AXIS M3215 • AXIS M3215-LVE	• AXIS P5654-E • AXIS P5654-E MK II • AXIS P5655-E	• ExCam XPT Q6075 • XF40-Q1785

Products on LTS 2022 – 10.12

Note

LTS 2022 is supported until 2027-12-31. After the end-of-support date, the following occurs:

- A number of products will continue to receive product-specific support (PSS) until their software support period expires.
- Certain products have already reached their end-of-support and will not receive further releases.
- Some products have newer LTS track and will not receive further updates on LTS 2022.

The following products will continue to receive releases after 2027-12-31 until the software support period expires.

• AXIS M3058-PLVE	• AXIS M3115-LVE	• AXIS M3116-LVE

The following products will not receive further releases after 2027-12-31 since the software support period expires then.

• AXIS D2050-VE • AXIS M1134 • AXIS M1135/-E • AXIS M1137/-E • AXIS M3057-PLVE	• AXIS M3064-V • AXIS M3065-V • AXIS M3066-V • AXIS M3075-V • AXIS M3205-LVE	• AXIS M3206-LVE • AXIS P1367/-E • AXIS P1368-E • F101-A XF P1367 • ExCam XF P1367

The following products have at least one newer LTS track. Please upgrade to newer LTS to improve cybersecurity.

- AXIS A8207-VE/Mk II
- AXIS D2110-VE Security Radar
- AXIS D3110 Connectivity Hub
- AXIS D4100-E Network Strobe Siren
- AXIS F9104-B Main Unit
- AXIS F9111 Main Unit
- AXIS F9114 Main unit
- AXIS F9114-B Main Unit
- AXIS FA51 Main Unit
- AXIS FA51-B Main Unit
- AXIS FA54 Main Unit
- AXIS I8016-LVE
- AXIS M1135 Mk II
- AXIS M1135-E Mk II
- AXIS M1137 Mk II
- AXIS M1137-E Mk II
- AXIS M2035-LE
- AXIS M2036-LE
- AXIS M3057-PLVE Mk II
- AXIS M3057-PLR Mk II
- AXIS M3067-P
- AXIS M3068-P
- AXIS M3077-PLVE
- AXIS M3085-V
- AXIS M3086-V
- AXIS M3088-V
- AXIS M3215-LVE
- AXIS M3216-LVE
- AXIS M4216-LV
- AXIS M4216-V
- AXIS M4308-PLE
- AXIS M5000/-G
- AXIS M5074
- AXIS M5075/-G
- AXIS M7104
- AXIS M7116
- AXIS P1375/-E
- AXIS P1377/-LE

- AXIS P1455-LE
- AXIS P1455-LE-3
- AXIS P1467-LE
- AXIS P1468-LE
- AXIS P3227-LV
- AXIS P3227-LVE
- AXIS P3228-LV
- AXIS P3228-LVE
- AXIS P3245-LV
- AXIS P3245-LVE
- AXIS P3245-LVE-3
- AXIS P3245-V
- AXIS P3245-VE
- AXIS P3247-LV
- AXIS P3247-LVE
- AXIS P3248-LV
- AXIS P3248-LVE
- AXIS P3255-LVE
- AXIS P3265-LV
- AXIS P3265-LVE
- AXIS P3265-V
- AXIS P3267-LV
- AXIS P3267-LVE
- AXIS P3268-LV
- AXIS P3268-LVE
- AXIS P3715-PLVE
- AXIS P3717-PLE
- AXIS P3719-PLE
- AXIS P3727-PLE
- AXIS P3807-PVE
- AXIS P3818-PVE
- AXIS P3925-LRE
- AXIS P3925-R
- AXIS P3935-LR
- AXIS P5654-E
- AXIS P5655-E
- AXIS P7304
- AXIS P7316
- AXIS P8815-2 3D People Counter
- AXIS Q1615 Mk III

- AXIS Q1659
- AXIS Q1951-E
- AXIS Q1952-E
- AXIS Q1700-LE
- AXIS Q1715
- AXIS Q1785-LE
- AXIS Q1786-LE
- AXIS Q1798-LE
- AXIS Q3515-LV
- AXIS Q3515-LVE
- AXIS Q3517-LV
- AXIS Q3517-LVE
- AXIS Q3517-SLVE
- AXIS Q3518-LVE
- AXIS Q3527-LVE
- AXIS Q3536-LVE
- AXIS Q3538-LVE
- AXIS Q3819-PVE
- AXIS Q6010-E
- AXIS Q6074
- AXIS Q6074-E
- AXIS Q6075/-E
- AXIS Q6075-S
- AXIS Q6075-SE
- AXIS Q6078-E
- AXIS Q6100-E
- AXIS Q6135-LE
- AXIS Q6215-LE
- AXIS Q6225-LE
- AXIS Q6315-LE
- AXIS Q6318-LE
- AXIS Q8752-E
- AXIS S3008
- AXIS V5925
- AXIS V5938
- D101-A XF P3807
- D201-S XPT Q6075
- F101-A XF P1377
- F101-A XF Q1785
- XP40-Q1785

• AXIS P1378/-LE	• AXIS Q1615-LE Mk III	• ExCam XF P1377
• AXIS P1445-LE	• AXIS Q1645/-LE	• ExCam XF Q1645
• AXIS P1445-LE-3	• AXIS Q1647/-LE	• ExCam XF Q1785
• AXIS P1447-LE	• AXIS Q1656/-B/-BE/-BLE/-LE	• ExCam XPT Q6075
• AXIS P1448-LE		

Products on LTS 2020 – 9.80

Note

LTS 2020 is supported until 2025-12-31. After the end-of-support date, the following occurs:
- A number of products will continue to receive product-specific support (PSS) until their software support period expires.
- Certain products have already reached their end-of-support and will not receive further releases.
- Some products have newer LTS track and will not receive further updates on LTS 2020.

The following products will continue to receive releases after 2025–12–31, until the software support period expires.

• AXIS M1045-LW	• AXIS P1254	• AXIS Q1941-E
• AXIS M1065-L/-LW	• AXIS P1264	• AXIS Q1941-E PT Mount
• AXIS M2025-LE	• AXIS P1265	• AXIS Q1942-E
• AXIS M2026-LE Mk II	• AXIS P1275	• AXIS Q1942-E PT Mount
• AXIS M3015	• AXIS P1280-E	• AXIS Q3615-VE
• AXIS M3016	• AXIS P1290-E	• AXIS Q3617-VE
• AXIS M4206-V/-LV	• AXIS P1435-E/-LE	• AXIS Q6125-LE
• AXIS P1244	• AXIS P3374-V/-LV	• AXIS Q8641-E
• AXIS P1245	• AXIS P3375-V/-VE/-LV/-LVE	• AXIS Q8642-E
		• XP40-Q1942

The following products will not receive further releases after 2025–12–31, since the software support period has expired.

• AXIS Companion Bullet LE	• AXIS M1124/-E	• AXIS M3106-L/-LVE Mk II
• AXIS Companion Bullet mini LE	• AXIS M1125/-E	• AXIS P1364/-E
• AXIS Companion Cube L/-LW	• AXIS M2026-LE	• AXIS P1365/-E Mk II
• AXIS Companion Dome mini LE	• AXIS M3044-V/-WV	• AXIS P3224-V/-VE/-LV/-LVE Mk II
• AXIS Companion Dome V/-WV	• AXIS M3045-V/-WV	• AXIS P3225-V/-VE/-LV/-LVE Mk II
• AXIS Companion Eye L/-LVE	• AXIS M3046-V	• AXIS P3235-LV/-LVE
• AXIS Companion Eye mini L	• AXIS M3104-L/-LVE	• AXIS P9106-V
• AXIS Companion Recorder	• AXIS M3105-L/-LVE	• AXIS Q1615/-E Mk II
	• AXIS M3106-L/-LVE	• ExCam XF M3016

The following products have at least one newer LTS track. Please upgrade to newer LTS to improve cybersecurity.

• AXIS D2050-VE	• AXIS P1445-LE	• AXIS Q1786-LE
• AXIS FA54	• AXIS P1445-LE-3	• AXIS Q1798-LE
• AXIS M1134	• AXIS P1447-LE	• AXIS Q3515-LV/-LVE
• AXIS M1135/-E	• AXIS P1448-LE	• AXIS Q3517-LV/-LVE/-SLVE
• AXIS M1137/-E	• AXIS P3227-LV/-LVE	• AXIS Q3518-LVE
• AXIS M3057-PLVE	• AXIS P3228-LV/-LVE	• AXIS Q3527-LVE
• AXIS M3058-PLVE	• AXIS P3245-V/-VE/-LV/-LVE	• AXIS Q6010-E
• AXIS M3064-V	• AXIS P3247-LV/-LVE	• AXIS Q6074/-E
• AXIS M3065-V	• AXIS P3248-LV/-LVE	• AXIS Q6075/-E/-S/-SE
• AXIS M3066-V	• AXIS P3717-PLE	• AXIS Q6215-LE
• AXIS M3067-P	• AXIS P3719-PLE	• AXIS Q9216-SLV
• AXIS M3068-P	• AXIS P3807-PVE	• D101 XF P3807
• AXIS M3075-V	• AXIS P3925-R/-LRE	• D201-S XPT Q6075
• AXIS M3115-LVE	• AXIS P3935-LR	• ExCam XF P1367
• AXIS M3116-LVE	• AXIS P5654-E	• ExCam XF Q1645
• AXIS M3205-LVE	• AXIS P5655-E	• ExCam XF Q1785
• AXIS M3206-LVE	• AXIS Q1645/-LE	• ExCam XPT Q6075
• AXIS P1367/-E	• AXIS Q1647/-LE	• F101 XF Q1785
• AXIS P1368-E	• AXIS Q1659	• F101-A XF P1367
• AXIS P1375/-E	• AXIS Q1700-LE	• XF40-Q1785
• AXIS P1377/-LE	• AXIS Q1785-LE	• XP40-Q1785
• AXIS P1378/-LE		

Products on PSS 8.40

The following products will continue to receive releases until the software support period expires..

• AXIS M5525-E	• AXIS Q6155-E
• AXIS P3915-R Mk II	• AXIS Q8685-E/-LE
• AXIS Q6055-C	• D201-S XPT Q6055
• AXIS Q6154-E	

The following products will not receive any more releases since the software support period has expired.

• AXIS Companion 360	• AXIS P5624-E Mk II	• AXIS Q6055/-E/-S
• AXIS M3047-P	• AXIS P5635-E Mk II	• AXIS Q6052/-E
• AXIS M3048-P	• AXIS Q1775/-E	• AXIS Q6054/-E
• AXIS P1405-LE Mk II	• AXIS Q3505-V/-VE/-SVE Mk II	• AXIS Q6054/-E Mk
• AXIS P1425-LE Mk II	• AXIS Q3504-V/-VE	• AXIS Q6124-E
• AXIS P5514/-E	• AXIS Q6054/-E Mk III	• ExCam XPT Q6055
• AXIS P5515/-E		

The following products have at least one newer LTS track. Please upgrade to newer LTS to improve cybersecurity.

• AXIS Companion Bullet LE	• AXIS P1245	• AXIS P3905-R Mk II
• AXIS Companion Cube L/-LW	• AXIS P1254	• AXIS P9106-V
• AXIS Companion Dome V/-WV	• AXIS P1264	• AXIS Q1615/-E Mk II
• AXIS Companion Eye L/-LVE	• AXIS P1265	• AXIS Q1645/-LE
• AXIS FA54	• AXIS P1275	• AXIS Q1647/-LE
• AXIS M1045-LW	• AXIS P1280-E	• AXIS Q1659
• AXIS M1065-L/-LW	• AXIS P1290-E	• AXIS Q1785-LE
• AXIS M1124/-E	• AXIS P1364/-E	• AXIS Q1786-LE
• AXIS M1125/-E	• AXIS P1365/-E Mk II	• AXIS Q1941-E
• AXIS M2025-LE	• AXIS P1367/-E	• AXIS Q1941-E PT Mount
• AXIS M2026-LE	• AXIS P1368-E	• AXIS Q1942-E
• AXIS M2026-LE Mk II	• AXIS P1435-E/-LE	• AXIS Q1942-E PT Mount
• AXIS M3015	• AXIS P1445-LE	• AXIS Q3515-LV/-LVE
• AXIS M3016	• AXIS P1445-LE-3	• AXIS Q3517-LV/-LVE/-SLVE
• AXIS M3044-V/-WV	• AXIS P1447-LE	• AXIS Q3518-LVE
• AXIS M3045-V/-WV	• AXIS P1448-LE	• AXIS Q3615-VE
• AXIS M3046-V	• AXIS P3224-V/-VE/-LV/-LVE Mk II	• AXIS Q3617-VE
• AXIS M3057-PLVE	• AXIS P3225-V/-VE/-LV/-LVE Mk II	• AXIS Q6125-LE
• AXIS M3058-PLVE	• AXIS P3227-LV/-LVE	• AXIS Q8641-E
• AXIS M3104-L/-LVE	• AXIS P3228-LV/-LVE	• AXIS Q8642-E
• AXIS M3105-L/-LVE	• AXIS P3235-LV/-LVE	• ExCam XF P1367
• AXIS M3106-L/-LVE	• AXIS P3374-V/-LV	• ExCam XF Q1645
• AXIS M3106-L/-LVE Mk II	• AXIS P3375-V/-VE/-LV/-LVE	• F101-A XF P1367
• AXIS P1244	• AXIS P3904-R Mk II	

Products on PSS 6.50

The following product will continue to receive releases until the software support period expires.

• AXIS F34	• AXIS P5414-E	• AXIS Q6128-E
• AXIS F41	• AXIS P5415-E	• AXIS Q7411
• AXIS F44 Dual Audio Input	• AXIS P8804-2	• AXIS Q7436
• AXIS M1145-L	• AXIS Q2901-E	• XF40-Q2901
• AXIS M7011	• AXIS Q2901-E PT Mount	• XF60-Q2901
• AXIS P3367-V/-VE		

The following products will not receive any more releases since the software support period has expired.

- AXIS F44 Main unit
- AXIS M3006-V
- AXIS M3007-P/-PV
- AXIS P1353/-E
- AXIS P1354/-E
- AXIS P1357/-E
- AXIS P1365/-E
- AXIS P1405-E/-LE
- AXIS P1425-E/-LE
- AXIS P1427-E/-LE
- AXIS P1428-E
- AXIS M3027-PVE
- AXIS P3214-V/-VE
- AXIS P3215-V/-VE
- AXIS P3224-LV/-LVE
- AXIS P3225-LV/-LVE
- AXIS P3353
- AXIS P3354
- AXIS P3363-V/-VE

- AXIS P3364-V/-VE/-LV/-LVE
- AXIS P3365-V/-VE
- AXIS P3384-V/-VE
- AXIS P3707-PE
- AXIS P3915-R
- AXIS P3904-R
- AXIS P3905-R/-RE
- AXIS P5624-E
- AXIS P5635-E
- AXIS P8804
- AXIS Q1604/-E
- AXIS Q1614/-E
- AXIS Q1615/-E
- AXIS Q1635/-E
- AXIS Q1765-LE
- AXIS Q1765-LE PT Mount
- AXIS Q1931-E

- AXIS Q1931-E PT Mount
- AXIS Q1932-E
- AXIS Q1932-E PT Mount
- AXIS Q3505-V/-VE
- AXIS Q6000-E
- AXIS Q6000-E Mk II
- AXIS Q6114-E
- AXIS Q6115-E
- AXIS Q6042/-E/-C/-S
- AXIS Q6044/-E/-C/-S
- AXIS Q6045/-E/-C/-S Mk II
- AXIS Q8631-E
- AXIS Q8414-LVS
- AXIS Q8632-E
- AXIS Q8665-E/-LE
- XF40-Q1765
- XF60-Q1765
- XP40-Q1765