



## **AXIS Firmware 5.60 Overview**

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This document describes new and modified capabilities in the 5.60 Firmware Release. Note that available functionality varies depending on camera and encoder model. Check the release notes for details for each product.

### ***General information***

#### **1 ACAP Application**

Firmware 5.60 extends the ACAP SDK which gives new possibilities to develop ACAP's. It is also possible to enable multiple ACAP applications to run simultaneously. The combination of applications should however be validated by the system integrator before deployment.

#### **2 Axis Video MIB**

Axis is now extending the SNMP offering with an AXIS Video MIB (Management Information Base). The Video MIB is targeting system integrators and end-users that are using SNMP. The Video MIB enables network administrators to detect possible malfunctions in Axis products such as fan failure, temperature limits, storage disruptions, tampering, video/audio connectors disconnect, etc via SNMP traps. Available traps are depending on the AXIS Product.

A MIB is released for Axis products. See <http://www.axis.com/techsup/software/index.htm> for more information.

The Video MIB is supported from the 5.55 firmware.

#### **3 Edge Storage Auto-format SD card**

Axis firmware now has the ability to auto-format an SD card to a specified file system upon insertion. This will allow an easy installation of a new SD card that automatically will be formatted to a preselected file system, mounted and recording will be resumed. Less manual intervention is needed on installation and service.

Edge Storage Auto-format is supported from the 5.55 firmware.

## **4 Edge Storage Recording Indicator**

With the Edge Storage recording indicator it's possible to indicate, e.g. on the Live view, that an edge storage recording is ongoing. This allows the operator to be notified if a recording of scene is ongoing or not.

Edge Storage Recording Indicator is supported from the 5.55 firmware.

## **5 Optimal Live View Resolution**

The Live View page is updated with responsive design and scales with different screen resolutions and browser window sizes. This will allow the user to always see the complete page without the need to scroll.

## **6 Quick HDTV Live View Demonstration**

For all megapixel products, a new default viewing profile for HDTV resolution has been added. This viewing profile is visible in the Live View and is beneficial for demonstration purposes.

## **7 Export Video Clip**

The Export Video Clip capability enables the export of recordings directly from the camera to a PC or a smartphone.

Select the wanted portion of an Edge Storage recording from your camera and export them as playable video file to a client. The exported recording will be one playable matroska file.

## **8 SSH**

SSH command line interface to the products that may be used for specific support and maintenance activities was introduced in 5.50. SSH is now the only supported protocol to establish a connection and telnet is not supported anymore. SSH is not enabled by default but can be activated by an API.

## ***Developer information***

## **9 ACAP Application Management**

The limitation of running only one application at a time has been removed. It's now possible (depending on available resources) to run several applications in parallel. The combination of applications should be validated by the system integrator before deployment.

A new API has been added enabling a client to get extended information of installed applications.

## **10 Generic ACAP configuration**

All applications taking advantage of the new platform can provide a URL for configuration. The intension of this is that a client such as a VMS can provide this link or embed it into the application in a generic way.

## **11 ACAP upgrade**

When upgrading an application it's now possible to keep the configuration for the application. This is decided during implementation of the ACAP.

## **12 ACAP interfaces**

A range of new APIs has been added to the platform allowing an application to directly interface with local storage, PTZ control, I/Os and audio. In addition it is now possible to interact with the event system in a more flexible way.

## **13 Device Service Query**

An entry service has been added allowing a client to query which webservice APIs that is available in the product.

## **14 System Log enhancements**

The system log has been improved and uses a standardized logging format. Important messages will be kept longer and repeated messages will print the actual message that was repeated.