AXIS Firmware 5.50 Overview

This document describes new and modified capabilities in the 5.50 Firmware Release. Note that available functionality varies depending on camera and encoder model. Check the release notes for details for each product.

1. Local Language Support

Ability to alter the product user interface from English to other languages. Supported languages are; Brazilian Portuguese, French, German, Italian, Japanese, Korean, Russian, Simplified Chinese and Spanish. The local language files will be made available at www.axis.com for each camera model immediately after the Firmware release. The selection and installation of the files do not require any knowledge in the English language.

2. Extended number of Privacy Masks

Ability to configure up to 32 simultaneous privacy masks. The previous limit was 3 to 16, depending on product model. The number of available Privacy masks depends on the product model.

3. Extended Edge Storage Support

Supporting memory cards up to 64 GB.

4. Text Overlay character set extension

Ability to use non-western characters in the video text overlay. All left-to-right languages are supported.

5. Text Overlay Font Size

Ability to select three different font sizes for the video text overlay in order to increase readability, especially helpful at high resolution video.

6. ONVIF Profile S conformance

The ONVIF Profile S replaces the ONVIF Version 1.02. ONVIF has developed a Profile Concept to simplify identification of interoperable products. For more details please visit www.onvif.org

7. Text Overlay Message Action

A product action that provides a way to display a user defined message in the text overlay upon a detected event. The message can be used to communicate information to the operator, visually mark video for later video forensics or provide an easy way for a user to validate event detectors during installation and configuration.

8. Support for common email services

Ability to connect products to common email services that requires SSL/TLS security. Predefined profiles for Gmail, Hotmail, AOL and Yahoo are included in order to simplify configuration.

9. Edge Storage Disruption Detection

Ability to be notified when Edge Storage detects disruptions. The event is used to notify administrators to quickly resolve issues, typically disk unavailable, read/write error, disk full or disk locked.

10. HTTPS Recipient

Systems using HTTP notifications and uploads from the product can now do this in a secure way over HTTPS.

11. Send Video Clip Action

Ability to upload a video clip to an FTP server or an email recipient upon an event. A media player with support for H.264 and Matroska File Format (MKV) is required to play the clip.

12. Live Stream Access Detection

In some sensitive installations it may be necessary to notify people that someone is actively monitoring a camera (for example, in a conference room) using, a. The Live Stream Access Event may be used to control a nearby "alert light" connected to digital output port of the camera.

13. System Ready Event

Ability to get notified when the product has booted and all services are initialized. The event is typically used to notify an operator (or system) that the unit has been restarted.

14. Improved AXIS Camera Applications

The behavior for AXIS Cross Line Detection 1.x and AXIS Video Motion Detection 2.x will be improved in FW 5.50, compared to FW 5.40. The applications will be less prone to false detect on very small objects.

15. Centralized Certificate Management

Certificates for HTTPS and 802.1x are now managed in one place. The firmware also includes a number of pre-installed CA certificates such as VeriSign, Thawte and GeoTrust. It is also possible to install additional CA certificates.

16. Improved Constant Bitrate Control

The Constant Bit Rate (CBR) will now adjust to target bit rate quicker and smoother.

17. PTZ Control Error Notification

Ability to be notified if malfunction in a mechanical PTZ is detected. The event is typically used to trigger a notification to the administrator/operator for service. The error detection is available for selected mechanical PTZ units.

18. Virtual Inputs

Virtual Input may be used by clients to initiate Action Rules in the camera. Virtual Inputs extends the existing "Manual Trigger" with 32 additional virtual inputs.

19. SSH (Secure Shell)

A command line interface to the products that may be used for specific support and maintenance activities. SSH extends the Telnet capabilities in order establish a secure remote command line connection. The Telnet and SSH capabilities are not enabled by default.