



# Firmware Release Notes

A1D-506-**S4.07.03**-AC



**ACTi**  
Connecting Vision

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## Contents

<b>1</b>	<b>Firmware Version</b>	<b>4</b>
	New Features .....	4
	Enhancements .....	5
	Issue Solved .....	5
	Removed .....	7
	Supported Languages .....	7
	Supported Video Management System .....	7
	Remark .....	7
<b>2</b>	<b>Download and Documentation</b>	<b>9</b>
<b>3</b>	<b>Support</b>	<b>9</b>

# Firmware Version

**Firmware Version:** [A1D-506-S4.07.03-AC](#)

**Release Date:** 2025.06.12

**Supported Models:** A313, A314, A76, A77, A422, A423, A820, A821

## New Features

1. (S4.07.03) Supported AAC audio format for both audio input and output.
2. (S4.06.14) Supported human and vehicle object detection in motion detection under "Dual IVS Streams" mode.
3. (S4.06.14) Added support for 2560x1920 resolution on 6MP camera models, including A314, A423, A77, and A821.
4. (S4.06.14) Added support for 30 FPS at 60Hz and 25 FPS at 50Hz for the following resolutions: 3200x1800, 3072x2048, and 2592x1944.
5. (S4.06.14) Supported Pre-Buffer time up to 30 seconds for video/audio upload in event functions.
6. (S4.06.14) Supported AGC gain control in auto exposure mode.
7. (S4.06.14) Added ONVIF client type configuration with Standard as the default setting.
8. (S4.05.05) Support 4 individual audio files for event response.
9. (S4.04.14) Support ONVIF profile M
10. (S4.04.14) Support H.265 video on camera's Web page for the graphic card that supports H.265.
11. (S4.03.02) Add HTTPS option to support TLS authentication in event http servers.
12. (S4.01.08) Support Auto firmware upgrade.
13. (S4.01.08) Support ONVIF profile S, Profile G, Profile T.
14. (S4.01.08) Add Dual\_IVS stream mode to enable the Line crossing, Enter area and Face detection setup page.
15. (S4.01.08) Support face detection (one region in full image ROI), line crossing (four lines) and enter area detection (four regions) events.
16. (S4.01.08) Support four OSD regions and enable/disable individual OSD regions on stream 2, 3 and 4.
17. (S4.01.08) Support image rotation.
18. (S4.00.07) Supported new models: A313, A314, A76, A77, A422, A423, A820, A821

19. (S4.00.07) Support Tampering detection

## Enhancements

1. (S4.07.03) Added TOKEN\_TYPE\_CONTROL\_2 to support IVS control extension and include object details in event messages.
2. (S4.07.03) Added ROI-based inactive alert timer for fieldDetection and lineDetection.
3. (S4.06.14) Updated default self-signed HTTPS certificate with 2048-bit key using TLS 1.2.
4. (S4.06.14) Passed edge recording recovery functions with NVR3, Milestone, and Genetec VMS.
5. (S4.06.14) Passed ONVIF Test Tool V24.06 Rev 212.
6. (S4.05.05) Add HTTPS CSR (Certificate Signing Request) PROP file export functionality in the HTTP/HTTPS Web UI.
7. (S4.03.02) Support minimum object size drawing on IVS security and line crossing setup web page.
8. (S4.03.02) Support 8KHz sampling rate in PCM audio.

## Issue Solved

1. (S4.07.03) Fixed the incorrect pre-buffer time hint in “Upload video/snapshot and Audio 2” configuration, changing the range from 0–3330 seconds to 0–30 seconds.
2. (S4.07.03) Fixed the truncated IVS event message (line crossing, enter area) in GET\_IVS\_MSG command.
3. (S4.07.03) Fixed ONVIF pull message blocking that caused command blocking and delayed event delivery
4. (S4.07.03) Fixed the issue that RTP stream timestamps used system time, which could cause ZNR to fail playback and export when camera time was changed to past time by NTP sync or manual setting.
5. (S4.07.03) Fixed a stability issue that occasionally occurred due to unexpected motion alerts from earlier firmware versions, which supported human and vehicle object filters in motion detection.
6. (S4.07.03) Updated ActiveX to version V1.0.1.39 due to an expired digital signature.
7. (S4.06.14) Fixed an issue where the V2\_QUERYLS command returned errors or duplicate event entries.

8. (S4.06.14) Fixed an issue where the GET\_NEAR\_EVENT command returned incorrect time for event/recording.
9. (S4.06.14) Fixed an issue where the max auto shutter reverted to 1/30 after save and reboot.
10. (S4.06.14) Resolved ONVIF Test Tool conformance test failures in versions V23.12 and V24.12.
11. (S4.06.14) Fixed an issue where the SMTP configuration page was not blanked after applying the password hint.
12. (S4.06.14) Fixed an issue where audio was not played correctly when triggered by the event handler.
13. (S4.06.14) Fixed an issue where the face detection event source was not shown correctly on the web configuration page.
14. (S4.06.14) Fixed an issue where incorrect HTTP headers blocked the connection handler for 6 seconds.
15. (S4.06.14) Fixed an issue where Play the audio file could not be removed from the event list setup page.
16. (S4.06.14) Fixed an issue where the Tamper event name was incorrect in the ANS Notification.
17. (S4.06.14) Fixed an issue where IVS events failed to send to the NVR in the event list setting page.
18. (S4.06.14) Fixed an issue where face detection and IVS security settings could not be configured when the image size was set to 1280x720.
19. (S4.06.14) Fixed motion detection event sources to correctly display as MD1 to MD4 in the event list setting page.
20. (S4.06.14) Fixed an issue where the system failed to enter the error loop web page in error loop mode.
21. (S4.06.14) Fixed an issue where the system could not read the config file created by the IP Utility.
22. (S4.06.14) Fixed a system issue when an IPv6 address was set as the NTP server address.
23. (S4.06.14) Fixed an issue where event configuration failed when using the Firefox browser.
24. (S4.05.05) Fixed the incorrect date/time on the title bar in the video WEB page.
25. (S4.05.05) Fixed the HTTP connection issue if the HTTP service port is not 80.
26. (S4.05.05) Fixed the connection issue with ZNR server due to timing WESecurity authentication vs taics validation.

27. (S4.04.14) Fixed MJPEG recording recovery issues.
28. (S4.04.14) Fixed the device stability issue in PPPoE mode.
29. (S4.03.02) Fixed the audio quality issue.
30. (S4.03.02) Fixed the visual field loss in 1080P and lower resolutions on 6MP models.
31. (S4.03.02) Fixed the supported frame rates limitation under 3MP and lower resolutions on video stream 2/3/4 when video stream 1 is using higher than 4MP resolution.
32. (S4.00.07) Fixed the issue that returning an error message on camera's web configurator sometimes after uploading firmware successfully.

## Removed

1. (S4.06.14) Removed GB28181 functions.
2. (S4.06.14) Disable Audio OUT volume controls.

## Supported Languages

Czech, Dutch, English, French, Hebrew, Hungarian, Italian, Japanese, Korean, Mongolian, Polish, Romanian, Russian, Spanish, Simplified Chinese and Traditional Chinese.

## Supported Video Management System

For supported ACTi VMS list, please refer to

<http://www.acti.com/UnifiedSolution>

For supported Third-party Software Integration list, please refer to

<http://www.acti.com/3rdpartysoftware>

## Remark

1. Please refocus the camera manually after stepping zoom.
2. ANS (ACTi Notification Services) is ACTi's implementation of Amazon SNS through the usage of ACTi's server domain and ACTi's member center accounts. Please contact us for more information regarding Notification Services.
3. H.265 video decoding is not supported across browsers in Google Chrome, Microsoft Edge and Apple Safari.

4. When the security level is TAICS mode, camera will turn off HTTP, Control Server, Streaming Server and RTSP Server ports automatically to meet TAICS standard. It may cause no video in the Intelligent Video page.
5. If there is no video in the Intelligent Video page, please check the antivirus software running on the computer, it may block the function.
6. After changing the security level from TAICS to Standard, the HTTP port will not be enabled automatically, please check the required port settings on the camera.
7. IEEE 802.1X has supported EAP-MD5 protocol.
8. Motion detection, Line crossing and Enter area detections support general, people and vehicle object types.
9. Image rotation is not supported under the "Dual IVS Streams" mode.
10. ONVIF testing has passed ONVIF test tool V24.06 rev. 212 and cameras are available on ONVIF official website.

## Download and Documentation

S4.07.03 is official released, the Firmware User Manual and Release Notes are available for download on ACTi.

You may also visit ACTi Download Center for updates and documents

<http://www.acti.com/downloadcenter>

## Support

If you have any question or need additional assistance, please feel free to contact our engineers via our **Customer Help Desk** platform

<http://www.acti.com/CHD>