



Firmware Release Notes

A1D-900-**A3.10.02**-AC



ACTi
Connecting Vision

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Firmware Version

Firmware Version: [A1D-900-A3.10.02-AC](#)

Release Date: 2024.07.22

New Features

1. (A3.09.00) Support multiple web browsers, such as Google Chrome, Microsoft Edge and Apple Safari.
2. (A3.08.04) Add "Control Server Port" and "Streaming Server Port" settings in Web Configurator.
3. (A3.08.04) Add "Loss video streams" for TCP/RTP connections in event handling.
4. (A3.07.06) Support motion setup and OSD setup in ONVIF profile T.
5. (A3.07.06) Add the option to enable or disable HTTP server service for camera's web page.
6. (A3.07.06) Support TLS 1.2 for HTTPS connection
7. (A3.06.07) The login account will no longer have the default password, and the camera will require a user to set a new password before access the camera or connecting it to any NVR servers for the first time.
8. (A3.06.07) Add "Play the audio file" in event response. The format of audio file is .WAV file with PCM, 16-bit, 8KHz sampling rate, mono channel and the maximum file size is 256 KB.
9. (A3.06.07) Add tamper configurations to adjust the sensitivity of tamper detection.
10. (A3.04.02) Support Dual sensing capability of deciding day and night switches with both light sensor and DSP based.
11. (A3.04.02) Added "Stable Time Interval" setting in Digital Input of Event Configuration to make the camera to send the DI trigger event when the DI state of the camera is changed to active state and stays active state for the "Stable Time Interval" time.
12. (A3.04.02) Added runtime DI status on web configurator and by URL command.
13. (A3.04.02) Added "Repeat Time Interval" setting for digital input, Fail to Write Storage, Remove Storage Media and schedule events to send the triggered events by the repeat time.
14. (A3.03.27) Supported new models: A47, A415, A87, A815

15. (A3.03.27) Support ONVIF profile T and Q
16. (A3.03.27) Support video upload to NVR 3 through event handler function.
17. (A3.03.27) Support Analog TV output function.
18. (A3.03.27) Add 720x480 resolution
19. (A3.03.27) Supported “Play the audio file“, “Push notification to mobile device” and “Upload video to NVR server” event responses.
20. (A3.03.27) Support HTTPS streaming with maximum up to 10 concurrent streams
21. (A3.03.27) Support “Auto Firmware Upgrade” function, camera can be upgraded firmware from local computer or from ACTi download center through internet service provider.
22. (A3.03.27) Added “Back Light Compensation” and “Strong Light Compensation” options in Digital WDR function.
23. (A3.02.09) Supported new models: A62
24. (A3.02.07) Supported new models: A22, A24
25. (A3.02.07) Support IEEE 802.1x on A24.
26. (A3.02.07) Supported 60fps / 50fps high frame rate mode for 720p and 1080p resolution on 5MP camera models (A24, A42, A82).
27. (A3.02.07) Support ONVIF profile G
28. (A3.02.07) Support H.265 on ONVIF
29. (A3.02.07) Support independent video mirror and flip settings
30. (A3.02.07) Support Hex command for Pan and Tilt via RS-485 serial port
31. (A3.02.07) Add Mongolian language
32. (A3.01.06) Supported new models: A42, A82
33. (A3.01.06) Support ONVIF profile S
34. (A3.01.06) Support Event Handler
35. (A3.01.06) Support Local Storage

Enhancements

1. (A3.08.04) Add Reboot status, SD card read/write error to System server report and add Client IP address to system log.
2. (A3.07.06) Add the icon to show visible password with actual characters or hide the password behind asterisks.
3. (A3.06.07) Update ActiveX control as higher version.
4. (A3.06.07) Security enhancement on URL commands
5. (A3.06.07) Add the icon to show visible password with actual characters or hide the password behind asterisks.

6. (A3.06.07) The password length requirement for user's account is 6 to 63 characters for password guessing and security enhancement.
7. (A3.06.07) HTTPS is enabled and built-in self-signed certificate as default.
8. (A3.06.07) Compatible with IP Utility v5.0.0.4 and newer versions, to be able to set root password and change network configurations without root login for conveniently installing IP camera in the networking environment without DHCP server.
9. (A3.06.07) Support upcenter and downcenter positions on OSD.
10. (A3.04.02) Update the maximum frame rate per second of the third stream on A415 and A815 to 15 fps @60Hz and 13fps @ 50Hz.
11. (A3.04.02) Extended Host URL length from 63 to 127 characters.
12. (A3.04.02) Keep replying URL requests during firmware upgrade.
13. (A3.03.27) Home positions on day and night modes
14. (A3.03.27) Supported switching color or monochrome video of camera by URL command "IMAGE_COLOR_MODE".
15. (A3.02.07) Support the maximum concurrent video connections up to 30.
16. (A3.02.07) Support special protocol for integration with ACTi VMS products.
17. (A3.02.07) The motion setup function can be supported on NVR 3 server v3.0.13 and newer versions.
18. (A3.02.07) The motion event can be supported on ENR firmware version v4.06.08 and newer versions.

Issue Solved

1. (A3.10.02) Fix the security issues.
2. (A3.08.04) Fixed home position shifting after manual focus control.
3. (A3.07.06) Fix the HTTPs default self-signed certificate management issue.

Remark

1. The maximum concurrent video connections will be limited by device's networking throughput.
2. The IEEE 802.1x feature will be supported on A24 with serial number from A24-02AXXX-18K-0001 and later.
3. HTTP TLS 1.1 is not supported on firmware version A3.07.06 and later.
4. Please install required plugin to work across multiple browsers.

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>

Upgrade

Firmware upgrade notice

Firmware update will be required in order to comply with the compatibility of component changes for different models.

Firmware Version Before Upgrading	Firmware upgrade rule
A3.02.08 or older	Please upgrade to A3.02.09 first, and then upgrade to A3.03.10. Afterwards, the camera can be upgraded to A3.05.00 or newer directly.
A3.02.09 or A3.03.0x	Please upgrade to A3.03.10 first and then upgrade to A3.05.00 or newer directly.
A3.03.10 or newer	Allow camera to upgrade to A3.05.00 or newer directly.

The camera firmware A3.03.10 or newer version will not allow camera to downgrade to A3.02.08 or older versions.

Download and Documentation

A3.10.02 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>