



Firmware Release Notes

A1D-900-**A2.08.03**-AC



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Firmware Version

Firmware Version: [A1D-900-A2.08.03-AC](#)

Release Date: 2021.07.12

Compatible Models: A21, A23, A32, A41, A43, A81, A83, A88, E17

New Features

1. (A2.08.03) Add "Control Server Port" and "Streaming Server Port" settings in Web Configurator.
2. (A2.08.03) Add "Loss video streams" for TCP/RTP connections in event handling.
3. (A2.07.06) Add the option to enable or disable HTTP server service for camera's web page.
4. (A2.07.06) Support TLS 1.2 for HTTPS connection
5. (A2.07.06) Support ONVIF Profile T, including Secure Streaming, Motion Detection Configurations and OSD Configurations.
6. (A2.06.10) Support ONVIF profile Q
7. (A2.06.10) 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.
8. (A2.06.10) Add tamper configurations to adjust the sensitivity of tamper detection.
9. (A2.06.10) Add the option to enable or disable HTTP server service for camera's web page.
10. (A2.05.04) 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.
11. (A2.04.19) Support video upload to NVR 3 through event handler
12. (A2.04.12) Support IEEE 802.1x function on A21 and A23 (Serial Number starts with A21-02A and A23-02A)
13. (A2.04.12) Support Analog TV output function.
14. (A2.04.12) Add 720x480 resolution
15. (A2.04.12) Support ONVIF profile T
16. (A2.04.12) Support Dual sensing capability of deciding day and night switches with both light sensor and DSP based.
17. (A2.04.12) Supported "Play the audio file", "Push notification to mobile device"

and "Upload video to NVR server" event responses.

18. (A2.04.12) 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.
19. (A2.04.12) Added runtime DI status on web configurator and by URL command.
20. (A2.04.12) 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.
21. (A2.04.12) Support HTTPS streaming with maximum up to 10 concurrent streams
22. (A2.03.23) Supported new models: A88, A94
23. (A2.03.22) Supported new models: A32, A61, A92, E17
24. (A2.03.22) Support "Auto Firmware Upgrade" function, camera can be upgraded firmware from local computer or from ACTi download center through internet service provider.
25. (A2.03.22) Added "Back Light Compensation" and "Strong Light Compensation" options in Digital WDR function
26. (A2.03.22) Added 1/350, 1/750, 1/1500 and 1/3000 shutter speeds to maximum auto and manual shutter speed capabilities
27. (A2.03.22) Added Day/Night Profile settings to configure the independent parameters for Day and Night situations, including Exposure Mode, AE Reference target, Maximum AGC Gain and Slowest Auto Shutter Speed.
28. (A2.02.06) Supported new models: A21, A23, A31, A43, A83
29. (A2.02.06) Supported ONVIF profile G
30. (A2.02.06) Supported H.265 on ONVIF
31. (A2.02.06) Supported independent video mirror and flip settings
32. (A2.02.06) Supported Hex command for Pan and Tilt via RS-485 serial port
33. (A2.02.06) Added Mongolian language
34. (A2.01.08) Supported Event Handler
35. (A2.01.08) Supported Local Storage
36. (A2.01.08) Supported Tamper Detection
37. (A2.01.08) Supported SMTP and FTP network protocols for email and FTP services.

Enhancements

1. (A2.06.10) Update ActiveX control as higher version 6.1.0.268.
2. (A2.06.10) Security enhancement on URL commands
3. (A2.06.10) Add the icon to show visible password with actual characters or hide the password behind asterisks.
4. (A2.06.10) The password length requirement for user's account is 6 to 63 characters for password guessing and security enhancement.
5. (A2.06.10) HTTPS is enabled and built-in self-signed certificate as default.
6. (A2.06.10) Compatible with IP Utility v5.0.0.4, to be able to set root password and network configurations without root login for conveniently installing IP camera in the networking environment without DHCP server.
7. (A2.06.10) Support upcenter and downcenter positions on OSD.
8. (A2.05.04) Extended Host URL length from 63 to 127 characters.
9. (A2.05.04) Third-party VMS integration enhancements
10. (A2.04.21) Keep replying URL requests during firmware upgrade.
11. (A2.04.12) Home positions on day and night modes
12. (A2.03.22) Supported switching color or monochrome video of camera by URL command "IMAGE_COLOR_MODE".
13. (A2.03.22) Supported Tamper Detection event
14. (A2.02.06) Supported the maximum concurrent video connections up to 30.
15. (A2.02.06) Supported special protocol for integration with ACTi VMS products
16. (A2.01.08) Supported Continuous and Stepped Zooming Control
17. (A2.01.08) Supported Auto and Manual focus mode
18. (A2.01.08) OSD on Video Stream 2 could be disabled

Issue Solved

1. (A2.03.23) Fixed IRIS control problem on A21.
2. (A2.08.03) Fixed focus issue after save and reboot.
3. (A2.08.03) Fixed home position shifting after manual focus control.

Removed

4. (A2.03.22) Removed Image Quality Priority, Frame Rate Priority and Expert Settings in exposure control function

Remark

1. The maximum concurrent video connections will be limited by device's networking throughput.
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. The firmware will provide WDR and Digital WDR modes in WDR function depending on different components on cameras. Most of camera models with 3MP and extreme WDR will be able to switch to WDR or Digital WDR modes, such as A21, A23, A61, E17. The rest models will have Digital WDR mode only, such as A41 and A81.
4. 1/5 and 1/15 shutter speeds options are available for Digital WDR mode.

Supported Languages

Czech, Dutch, English, French, German, Hungarian, Italian, Japanese, Korean, Mongolian, Polish, Portuguese, Romanian, Russian, Spanish, Thai, 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>

Download and Documentation

A2.08.03 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>