



Firmware Release Notes

A1D-502-V8.08.03-AC



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Firmware Version

Firmware Version: [A1D-502-V8.08.03-AC](#)

Release Date: 2021.03.23

Supported Models: B511A, B59A, B76A, E99M, B71, Q250

New Features

1. (v8.07.01) Support ONVIF Profile T
2. (v8.05.02) Support ONVIF Profile Q and pass the ONVIF Device Test Tool v19.06.
3. (v8.05.02) 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.
4. (v8.04.22) Support PMON-2000 Camera Installation Kit.
5. (v8.03.29) Supported IEEE 802.1x EAP Protocol V3
6. (v8.03.29) Supported reliable streaming for uploading video and audio to NVR server in event handler function. The function is available on the camera with local storage function and MicroSD card is required.
7. (v8.03.29) Supported "Play the audio file" in event response. The format of audio file is .WAV file with PCM, 16-bit, 8KHz sampling rate, and the maximum file size is 256 KB.
8. (v8.03.29) Added Manual Calibration in web configurator for OZT function. The calibration feature must be performed through OZT Manual Calibration Tool
9. (v8.03.29) Supported High Frame rate mode for 60 fps at 720p and 1080p on non-fisheye cameras (E99M, B71 and Q250)
10. (v8.03.29) Supported auto defogging on non-fisheye cameras (E99M, B71 and Q250)
11. (v8.03.29) Supported image rotation on E99M and B71
12. (v8.03.29) Added Video Analytics – Missing Object and Unattended Object
13. (v8.02.16) Supported new models: B71, E99M, Q250
14. (v8.02.16) Supported push Video/Audio to NVR 3 Corporate server with v3.0.13.27 and later versions.
15. (v8.02.16) Supported public SMTP servers
smtp.gmail.com,
smtp.mail.yahoo.com

smtp.live.com

smtp.yandex.com

smtp-mail.outlook.com

smtp.gmx.com

smtp.zoho.com

16. (v8.02.16) Supported IEEE 802.1x with Cisco ISE
17. (v8.02.16) Supported GB28181 protocol
18. (v8.02.16) Supported ePTZ control for Hemispheric cameras and Audio Out function via ONVIF
19. (v8.02.16) Added Ground and Corner mounts for Hemispheric cameras
20. (v8.02.16) Supported 8 privacy masks for Hemispheric cameras and 4 privacy masks for fixed-focal and vari-focal lens cameras
21. (v8.02.16) Supported electronic day and night function for E99M.
22. (v8.02.16) Added Image Quality Priority, Frame Rate Priority and Expert Settings for Auto exposure control function
23. (v8.02.16) Added Video Analytics - Line Crossing, Enter Area and Loitering
24. (v8.02.16) Added user interface in web configurator for Overview, Zoom and Tracking (OZT) function.
25. (v8.02.16) Added Mongolian language
26. (v8.01.07) Supported new models: B59A, B511A, B74A, B76A
27. (v8.01.06) Supported Auto Firmware Upgrade
28. (v8.01.06) Supported DDNS
29. (v8.01.06) Supported ONVIF profile S and G
30. (v8.01.06) Supported Local Storage
31. (v8.01.06) Supported Event Handler
32. (v8.01.06) Supported Video Analytics
 - Tampering
 - Shock detection - Shocking is available with camera built-in G-sensor (e.g. B59, B59A, B511, B511A, B74, B74A, B76, B76A)
33. (v8.01.06) Supported GPS manual setting
34. (v8.01.06) Supported ePTZ mode for ceiling mount
35. (v8.00.27) Supported new models: B5A, B511, B74, B76

Enhancements

1. (v8.08.03) Firmware reliability enhancement
2. (v8.06.03) Security enhancement on URL commands
3. (v8.06.03) Add the option to show visible password with actual characters or

hide the password behind asterisks.

4. (v8.06.03) The password length requirement for user's account is 6 to 63 characters for password guessing and security enhancement.
5. (v8.06.03) 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.
6. (v8.06.03) Support upcenter and downcenter positions on OSD.
7. (v8.06.03) Send tampering detection off event when the new background was learned to the remote host.
8. (v8.05.02) HTTPS is enabled as default.
9. (v8.05.02) Extended Host URL length from 63 to 127 characters.
10. (v8.04.22) Add minimum object size setting on text field in motion detection WEB page.
11. (v8.03.29) The accuracy improvement of motion detection and video analytics detections.
12. (v8.03.29) Supported I915 speed dome on OZT functions
13. (v8.02.16) Supported independent video mirror and flip for B71, E99M and Q250.
14. (v8.02.16) Added I97 and I98 speed dome models for Overview, Zoom and Tracking (OZT) function.
15. (v8.02.16) Digital auto tracking and OZT functions enhancement
16. (v8.02.16) Supported Video Max Bit Rate setting in Variable Bit Rate mode for H.264 compression
17. (v8.01.06) Supported 1/4000, 1/8000 and 1/16000 options for Slowest Auto Shutter Speed.

Issue Solved

1. (v8.08.03) Fixed the audio issue with mobile client when sending audio frame with the RTP extension header.
2. (v8.08.03) Fixed error state when using "VIDEO_STREAM=TRIPLE" URL command on fisheye camera without triple stream mode.
3. (v8.06.03) Fix the user level accounts will be reset when the camera is rebooted.
4. (V8.06.03) Fix the snapshot issue with third-party integration.
5. (v8.01.07) Fix the Audio in configuration page for B76A, B75A and B511A.

Removed

1. (v8.03.29) Removed Auto Calibration user interface in web configurator for Overview, Zoom and Tracking (OZT) function.
2. (v8.02.16) To remove 4096 x 2160 and 3840 x 2160 video resolutions in Fisheye View on B59, B59A, B74 and B74A

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. The integration testing for GB28181 function is recommended.
2. The OSG function is available in video stream 1 only and supports BMP 8-bit format with maximum image size 480 x 360.
3. When public SMTP server listed in SMTP Server Configuration page is used, some settings will be fixed and not editable except email account and password.
4. 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.
5. OZT Manual Calibration Tool v1.0 for Overview, Zoom and Tracking (OZT) function. The tool is available for download on ACTi Download Center.
6. The firmware version v8.07.01 and newer version will not support ext4 filesystem format for MicroSD.

Download and Documentation

V8.08.03 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>