



# Firmware Release Notes

A1D-505-**S2.10.05**-AC



**ACTi**  
Connecting Vision

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# Firmware Version

**Firmware Version:** [A1D-505-S2.10.05-AC](#)

**Release Date:** 2022.08.25

**Supported Models:** A310, A311, A71, A74, A416, A418, A811, A818

## New Features

1. (S2.10.03) Add "Format Storage Media" event source for local storage event.
2. (S2.10.03) Add "FTP over SSH" on FTP server configuration page to support SFTP client function.
3. (S2.10.03) Add user access level options on User Account page to sync ONVIF three user levels (Administrator, Operator, User).
4. (S2.08.05) Support TAICS security and provide Idle timeout setting in System Security Settings page to auto logout.
5. (S2.08.05) Add System Log page and support to read, remove and select various events into Log.
6. (S2.08.05) Support HTML5 for Cross-Browser compatibility such as Google Chrome, Microsoft Edge and Apple Safari.
7. (S2.08.05) Add "Loss video streams" for TCP/RTP connections in event handling.
8. (S2.08.05) Add "System Log Buffer Overrun" and "Remove System Log" for system log events
9. (S2.08.05) Add "Login Failure", "Login Success" and "Block an Account" for login events
10. (S2.08.05) Add "Access storage media" for storage events
11. (S2.08.05) Support Enable/Disable Control Server, Streaming Server and RTSP Server ports
12. (S2.04.05) Support AWS Kinesis video streaming by event handler.
13. (S2.03.04) Support Line crossing, Enter area, and face detection.
14. (S2.03.04) Support ONVIF Profile T, including Secure Streaming, Motion Detection Configurations and OSD Configurations.
15. (S2.02.04) Add the option to enable or disable HTTP server service for camera's web page.
16. (S2.02.04) Support On-Screen Display (OSD) function.
17. (S2.02.04) Support "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.

- 18. (S2.02.04) Support tamper detection
- 19. (S2.02.04) Support “Auto Firmware Upgrade” function, camera can be upgraded firmware from local computer or from ACTi download center through internet service provider.
- 20. (S2.01.08) Supported new models: A311, A74, A416, A418, A811, A818
- 21. (S2.01.08) Support ONVIF profile S, profile G and profile Q
- 22. (S2.01.08) Support Local Storage
- 23. (S2.01.08) Support Event Handler function
- 24. (S2.01.08) Support Motion Detection
- 25. (S2.00.08) 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.
- 26. (S2.00.08) Supported 4 privacy mask regions.
- 27. (S2.00.08) Supported new models: A310, A71

## Enhancements

- 1. (S2.10.03) Change the length of the keys on https self-signed certificate to 2048 bits.
- 2. (S2.10.03) Support TAICS Level 1 Version 2
- 3. (S2.10.03) Add DISK\_PARK\_STATE URL in system CGI to park the local storage media, to set it as event response when camera is going to power off or reboot to protect MicroSD.
- 4. (S2.09.01) Support IVS Setup function on multiple browsers, including Google Chrome, Microsoft Edge and Apple Safari.
- 5. (S2.08.05) Add 1/600, 1/700, 1/750, 1/800, 1/900, 1/10000 and 1/100000 shutter speeds in Slowest Auto Shutter Speed List.
- 6. (S2.08.05) Support Audio Out stream over HTTP/HTTPS
- 7. (S2.06.04) Closing unused service ports to reduce the security risk.
- 8. (S2.06.04) Increased WEB UI layout to have wider setup page.
- 9. (S2.05.04) Support IPv6 address from DHCPv6 and IPv6 routers.
- 10. (S2.04.05) ONVIF integration with third-party VMS.
- 11. (S2.04.05) Enhancement of HTTPS certificate management on WEB UI.
- 12. (S2.02.04) Security enhancement on URL commands
- 13. (S2.02.04) Add the option to show visible password with actual characters or hide the password behind asterisks.
- 14. (S2.02.04) Compatible with IP Utility v5.0.0.4, 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.
15. (S2.02.04) HTTPS is enabled by default, and supports built-in default self-signed certificate and private key.
  16. (S2.02.04) Support upcenter and downcenter positions on OSD.
  17. (S2.02.04) Support ROI-based video on video stream 1 when Back Light Compensation (BLC) function is enabled.
  18. (S2.01.08) The password length requirement for user's account is 6 to 63 characters for password guessing and security enhancement.

## Issue Solved

1. (S2.10.05) Update HTTP/HTTPS services mechanism to avoid blocking by abnormal https transactions or incorrect encrypted files.
2. (S2.10.05) Fix the user configuration is missing after firmware upgrade to S2.10.00~S2.10.04.
3. (S2.10.03) update ActiveX in WEB UI to fix no video through GET\_STREAM when the encoder is H.265 and RTP B2 is disabled
4. (S2.08.05) Fixed the auto firmware upgrade failed from download center.
5. (S2.07.12) Fixed the Security Detection option is missing on Event List setup page.
6. (S2.07.12) Fixed choppy or dropped streaming video connections with ZNR series video servers.
7. (S2.06.04) Enhanced the system stability to improve buffering mechanism for video streaming.
8. (S2.05.04) Fixed the playback issue with mobile client App and third-party VMS by ONVIF integration.
9. (S2.05.04) Fixed the HTTP service blocking issue with connecting to the remote host.
10. (S2.04.05) Fixed the reliability issues when using specific network switch.

## Removed

1. (S2.10.03) Remove ONVIF Profile Q because ONVIF already announced that it will end its support for Profile Q and will be deprecated on March 31,

2022.

2. (S2.08.05) 1/15, 1/8000, 1/16000, 1/30000, 1/32000 and 1/64000 shutter speeds are removed.

## 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 by manually after stepped 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. The Amazon Kinesis Video Streams function is available by event handler when camera is the AWS ready.
4. H.265 video decoding is not supported across browsers in Google Chrome, Microsoft Edge and Apple Safari.
5. When 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,
6. If there is no video in the Intelligent Video page, please check the antivirus software running on the computer, it may block the function.
7. After changing the security level from TAICS to Standard, the HTTP port will not enable automatically, please check the required port settings on the camera.

## Download and Documentation

S2.10.05 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>