



ACTi Standalone NVR

ENR-020-V4.10.04-AC

Release Notes



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Firmware Version

Product: ENR-010P, ENR-020P, ENR-130, ENR-190

Firmware Version: [ENR-020-V4.10.04-AC](#)

Release Date: 2022.07.19

New Features

1. (V4.10.04) Supported new models by ONVIF integration: Z39, Z310, Z47, Z49, Z72, Z714, Z86, Z87, Z810, Z98, Z952
2. (V4.09.02) Supported new model: Z38, Z48, Z85, Z97
3. (V4.08.06) Support object-based motion region setup on local UI.
4. (V4.08.05) Supported new camera models with S2.x firmware versions, such as A71, A74, A310, A311, A416, A418, A811 and A818.
5. (V4.08.05) Supported new camera models with A8,x firmware versions, such as A28, A45, A46, A85 and A86.
6. (V4.08.05) Supported new camera models with A9,x firmware versions, such as A421 and A817.
7. (V4.08.04) Support intelligence events of IVS camera models (Z32, Z83, Z84, Z92, Z94 and Z950).
8. (V4.08.04) Supported camera models: Z32, Z33, Z36, Z37, Z41, Z42, Z71, Z710, Z81, Z82, Z83, Z84, Z92, Z94, Z95, Z950.
9. (V4.06.29) Supported new camera models with V6.13, V8.04, V9.02, S1.02, A2.03, A3.03, A4.00, A5.01, A6.01 and H.1.03 firmware versions.
10. (V4.06.29) Supported new camera models with S1.02 firmware versions, such as E911, E912, E914, E710, B26, B89, B419 and B911 camera models.
11. (V4.06.29) Supported new camera models with V9.02 firmware versions, such as Q51, Q94, B57, B57A camera models.
12. (V4.06.29) Supported Q250, E99M with V8.04 firmware version.
13. (V4.06.29) Supported Q970 with V6.13 firmware version
14. (V4.06.29) Supported E17, A32, A61, A92 with A2.03 firmware version.
15. (V4.06.29) Supported A24, A62 with A3.03 firmware version.
16. (V4.06.29) Supported A84 with A4.00 firmware version.
17. (V4.06.29) Supported A63 with A5.01 firmware version.
18. (V4.06.29) Supported A95 with A6.01 firmware version.
19. (V4.06.29) Supported new camera models with H1.03 firmware

- versions, such as Q31P, Q31N, Q33P, Q33N camera models.
20. (V4.06.18) Supported new camera models: A43, A83
 21. (V4.06.18) Supported Z31, Z91 via RTP over TCP
 22. (V4.06.13) Supported firmware upgrade manually via IP Utility v4.4.0.14 or later versions.
 23. (V4.06.11) Supported new models: ENR-010P, ENR-020P
 24. (V4.06.11) Supported new language: Hungarian
 25. (V4.06.11) Supported VMS Workstation for Windows
 26. (V4.06.11) Supported local fisheye dewarping for I73, E925, E925M, E927, E927M, E929, E929M, Q111, Q13, B59, B74, B76, B511
 27. (v4.06.11) Supported new camera models with v6.10, v8.00, v7.01, v7.02, A1.00.04, A2.00.05, A3.00.04 firmware versions.
 28. (V4.06.11) Supported IPv6 network protocol
 29. (V4.06.11) Supported ACTi DDNS (mediacss.com, smmaas.com, vmsaas.com)
 30. (V4.04.36) Supported ENR-190
 31. (V4.03.06) Supported HTTPS for remote client
 32. (V4.03.06) Supported ONVIF profile setup (Audio out, Digital out, motion, PTZ and event message)
 33. (V4.03.06) Supported new V series, I51, I71 models
 34. (V4.01.14) Supported ONVIF compliant cameras with video/audio streaming function and basic configuration.
 35. (V4.00.12) Supported fisheye panorama function on local display on ENR-110 and ENR-120 and layout is up-to 4 channels.
 36. (V4.00.05) Supported fisheye view modes setting and export current view to AVI/RAW for fisheye camera (e.g. E96) with Fisheye View Software Algorithm on the remote client site

Enhancement

1. (V4.10.04) Support RTSP streaming protocol with Live view and Synchronized Playback for 3rd party integration by URL command.
2. (V4.08.06) Change encoding to Unicode UTF-8 for sending messages by e-mail
3. (V4.08.05) Display all supported intelligence video events of IVS camera models in event list.

4. (V4.08.05) Replace "GOV Length" by "GOP 1 I-Frame" to setup the occurrence rate of I-frames in seconds.
5. (V4.08.04) Support TLS1.1 and TLS1.2 for self-signed certificate
6. (V4.06.35) Support admin password initialization on server and camera.
7. (V4.06.34) Support schedule reboot function
8. (V4.06.34) Security protection improvement
9. (V4.06.31) Support switching video configuration of camera from H.265 to H.264 automatically.
10. (V4.06.29) Mobile Client compatibility improvement
11. (V4.06.29) Support ECD-1000 "Add Camera Manually(NVR)" function.
12. (V4.06.18) Supported digital in/out function with B934
13. (V4.06.18) HDD compatibility improvement with Seagate Enterprise series
14. (V4.06.11) Secure user password in exported files
15. (V4.06.11) Added third party software licenses
16. (V4.03.06) Supported more video adjustment settings of camera
 - a. Image: Video Flipping, Video Mirroring, Brightness, Contrast, Digital Noise Reduction and Wide Dynamic Range
 - b. Day/Night: Day/Night Mode and Threshold
 - c. AE Reference Target, Maximum Auto Shutter, Line Frequency
17. (V4.03.06) Supported Auto login-in function via IP Utility
18. (V4.01.14) PTZ configuration page is available for non-PTZ devices.
19. (V4.01.14) Bookmark can be synchronized between remote client and local site.
20. (V4.01.14) Supported camera's variable bit rate settings

Removed

1. (V4.06.35) Remove all default password for server and camera accounts from user interface.

Issue Solved

1. (V4.10.04) Fix the issue that no live video stream when CMS connects to ENR by HTTPS connection.
2. (V4.09.02) Fix the issue that the Enter Area event could not trigger any event response.

3. (V4.09.02) Fix the user permission issue that block access failed when Non-Administrators accounts log-in from ACTi Mobile Client App.
4. (V4.09.02) Fix the issue that showing incorrect DI number when DI event is triggered on ONVIF camera.
5. (V4.08.05) Fix Video streaming compatibility with VLC
6. (V4.08.05) Fix the connection issue with camera and ENR with the firmware downgrade to v4.06.29 or older versions.
7. (V4.08.05) Fix the issue that remote UI do not show the "Sound Detect OFF" event correctly.
8. (V4.08.05) Fix the issue that ENR could not add the camera normally when camera is in "DUAL IVS" stream mode.
9. (V4.08.04) Fix the compatibility issue with Mobile Client and CMS
10. (V4.06.34) IP Utility compatibility issue
11. (V4.06.17) HDD compatibility issue
12. (V4.06.16) Unable to enter "@" when using DE keyboard layout on remote PC
13. (V4.03.06) Local live view latency issue enhancement

Remark

1. Please connect monitor before you power on the ENR server.
2. ENR can assign DHCP IP address automatically for cameras within LAN via LAN1 port. For this DHCP server feature, please power on ENR completely first, then boot up cameras.
3. Please make sure IP cameras and ENR are connected to the same network before performing Auto Add cameras operation.
4. Language file must be UTF-8 encoding type.
5. Motion detection setting is not available when camera is in ePTZ stream mode or channel ID 2 in dual stream mode.
6. Not support Video Loss events from the video servers
7. Not support "MD Preset" stream mode
8. Not support single frame size of camera bigger than 1.25MB
9. Not support email attachment with snapshot via Event function if camera resolution or compression is not supported on Local display.
10. ENR will display I frame live view on local display unless the live layout contents only 1-8 channels with 1280x720 or 640x480 video resolution.

11. ENR will decode one video frame per two seconds for all channels on local display when the layout is 10-16
12. To display on Mobile Client through ENR server only accept the camera using H.264 video compression and 1920 x 1080 or below resolution.
13. IE 11 will not pop up instant playback after event is triggered.
14. The camera using “High frame mode” is not recommend to work with ENR
15. ENR can support the Motion detection regions settings up to 4 regions.
16. Some of SMTP service providers upgraded the SSL/TLS versions will cause sending event mail problem from ENR. If you wish to use a free webmail SMTP service, you may choose certain webmail providers such as Yandex(<https://mail.yandex.com/>).
17. Please find the compatible hard disks with ACTi standalone NVR products via ACTi Hard Disk Selector(<https://www.acti.com/hddselector>)
18. ENR can setup square detection area with motion region 1~3 on local UI for camera models supported polygons regions motion detection. The related camera firmware versions include V7.x, V8.x, V9.x, S1.x and S2.x.

Supported Languages

Czech, Danish, English, French, German, Hungarian, Italian, Japanese, Norwegian, Polish, Portuguese, Russian, Spanish, Thai, Turkish, Simplified Chinese and Traditional Chinese.

Supported Camera Models

For supported ACTi cameras list, please refer to

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

For supported non-ACTi cameras list, please refer to

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

Supported Control Center

Software	Software Version
CMS2	2.0.13 or later

Supported Client Application

Application Name	App. Version
ACTi Mobile Client for iOS	1.02 or later
ACTi Mobile Client for Android	1.0.16 or later

The preview (6-grid layout) on Mobile Client through ENR server only accept the camera using H.264 video compression and 1920 x 1080 or below resolution.

Firmware Upgrade

ENR standalone NVR can be upgraded firmware from local display screen or remote IE browser.

Important Notice

After upgrading ENR server to v4.01.xx or later version, ENR will block user to downgrade firmware to v4.00.xx. If it is required to keep previous ENR firmware, please do not proceed with the upgrade of v4.01.xx or later versions.

Important Notice

ENR v4.01.xx and later version has a disparate database structure from previous ENR system. In order to complete the conversion, the constant network connection between cameras and ENR server is required during the firmware upgrading. Otherwise, the settings of the cameras will be removed after upgrading new FW.

You may check ACTi corporate website for latest ENR firmware package and download it. Unzip the package and save the *.upg file to a USB disk or your client computer.

Please note that the USB disk carrying the firmware image should at least have 200 MB free space.

Here is upgrading steps about how to upgrade the firmware image from USB disk via local display screen.

Step 1: Power on the ENR server.

Step 2: Unzip the ENR V4.10.04 firmware package and save the file.

“ENR-020-V4.10.04-AC.upg” in the root folder of USB disk and then insert it into ENR USB port.

System Log is recorded the activities performed by logged-in Users. ENR will not keep original System Log after firmware upgrade. If you want to keep the log, please back up settings before firmware upgrade.

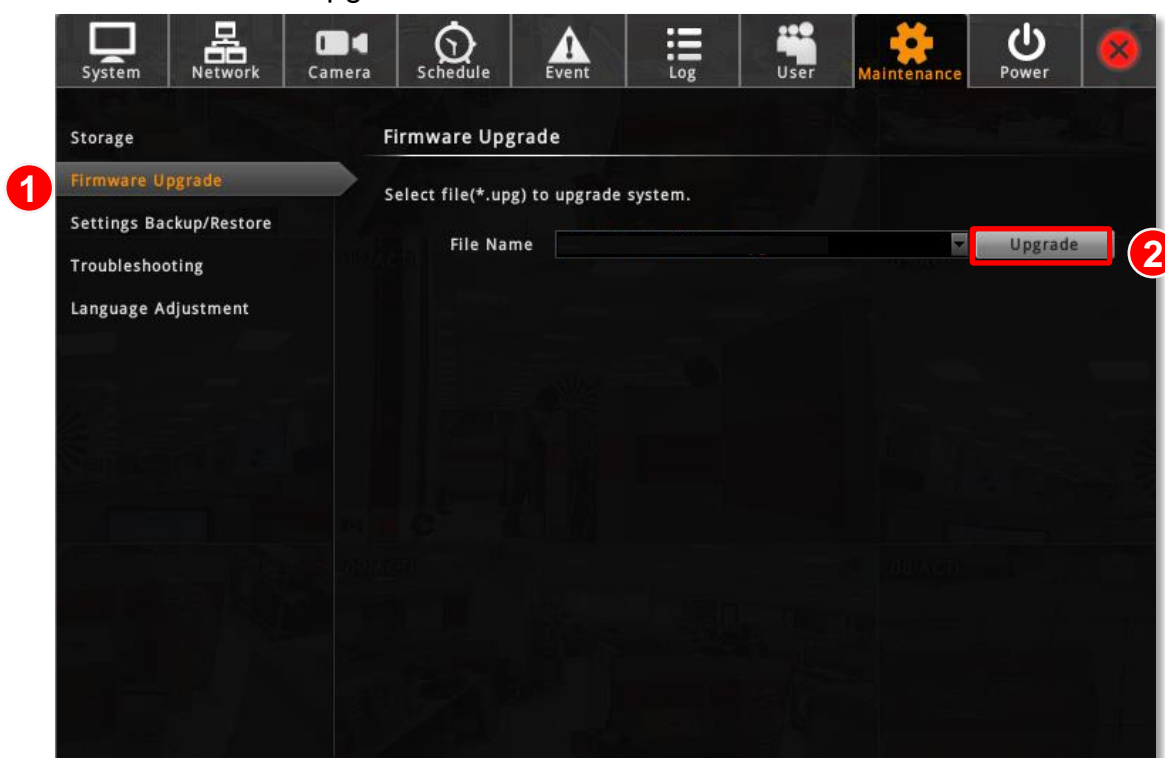
Step 3: Log in the ENR with Administrator account.

On Live screen, click “Setup” → click “Maintenance” tab → select “Settings Backup/Restore” → click “Backup” to save the current ENR Setting.

You can refer to “Backup / Restore settings” section in ENR System Administrator's Manual for all details.

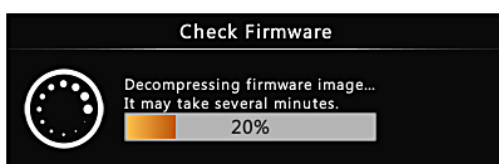
Step 4: Before you start to upgrade FW, please keep constant network connection between cameras and ENR server.

Step 5: On Live screen, click “Setup” → click “Maintenance” tab → select “Firmware Upgrade”.



Step 4: The drop down list will show the detected image file “ENR-020-V4.10.04-AC.upg”.

Step 5: After click “Upgrade” and confirm the system prompts, ENR will start the upgrade process.



During upgrading, the system will stop every other activity including recording and event handling.

Please be noted that after upgrading has started, **DO NOT cut off the system power or eject the USB disk until ENR restarts.**

Step 6: The device needs 5 minutes for firmware upgrading, and the system will auto-restart and keep the previous ENR settings after the upgrading completes.

You may check the current firmware version on “Setup” → click “System” tab → select “Information”.

Download and Documentation

You may check ENR products in “Standalone NVR” section on ACTi corporate website or visit ACTi Download Center <http://www.acti.com/downloadcenter> for updates or release information about this firmware and documents.

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>