



# **ACTi Standalone NVR**

**ENR-010-V4.06.29-AC**

## **Release Notes**

**Version V4.06.29**

**2020/08/25**



## Legal Notice

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## Contents

<b>1</b>	<b>Firmware Version</b>	<b>4</b>
	New Features.....	4
	Enhancement.....	6
	Issue Solved .....	7
	Removed.....	7
	Remark .....	7
	Supported Languages.....	8
	Supported Camera Models .....	8
	Supported Control Center .....	8
	Supported Client Application .....	8
<b>2</b>	<b>Firmware Upgrade</b>	<b>9</b>
<b>3</b>	<b>Download and Documentation</b>	<b>12</b>
<b>4</b>	<b>Support</b>	<b>12</b>

## Firmware Version

**Product:** ENR-1000, ENR-1100

**Firmware Version:** [ENR-010-V4.06.29-AC](#)

**Release Date:** 2020.08.25

### New Features

1. (V4.06.29) Supported new camera models with V8.x, V9.x, S1.x, A1.x firmware versions.
2. (V4.03.03) Supported new language: Hungarian
3. (V4.03.03) Supported VMS Workstation
4. (V4.03.03) Supported local fisheye dewarping for I73, Q13
5. (V4.03.03) Supported new camera models with v6.10, v7.01 firmware versions.
6. (V4.03.03) Supported ACTi DDNS (mediacss.com, smmaas.com, vmsaas.com)
7. (V4.03.03) Supported camera hostname with @ domain name
8. (V4.02.09) Supported HTTPS for remote client
9. (V4.02.09) Supported ONVIF profile selection setup (Audio out, Digital out, motion and PTZ)
10. (v4.01.07) Supported ONVIF compliant cameras with video/audio streaming function and basic configuration.
11. (v4.00.02) Supported video function for third-party camera with standard RTP protocol
12. (v4.00.02) Supported Maximum Recording Days function
13. (v4.00.02) Supported third-party cameras – FD7160, FD8131, FD8361, IP7138, IP8331, MD8562, SD8362, etc.
14. (v4.00.01) Supported USB based joystick for PTZ control
15. (v4.00.01) 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.
16. (v4.00.01) Added optical PTZ by mouse scroll wheel on local display
17. (v4.00.01) Supported absolute PTZ in the remote client
18. (v4.00.00) Added new language – Danish, German

19. (v4.00.00) Supported third-party cameras - SNC-DH210, SNC-CH240, SNC-CH260, SNC-DH280, SNC-DH220T, SNC-DH240T
20. (v4.00.00) Supported video stream method "RTP Over TCP" for ACTi cameras.
21. (v4.00.00) Compatible with ACTi Mobile Client (Android ) v1.0.
22. (v4.00.00) Supported Auto focus and DO functions
23. (v3.02.01) Supported "Set Default View" function
24. (v3.02.00) Compatible with Active Mobile Client (iOS) v1.0.
25. (v3.02.00) Added Video Adjustment settings (Brightness, Contrast, Saturation, Hue and Line Frequency) if the camera supported these attributes.
26. (v3.02.00) Supported third-party cameras.
27. (v3.02.00) Added new language – Norwegian
28. (v3.02.00) Supported HDD S.M.A.R.T.
29. (v3.01.01) Supported motion detection setting
30. (v3.01.01) Supported remote viewer app – Active Mobile Client (iOS version)
31. (v3.01.01) Added new languages – Portuguese, Turkish, Polish and Thai
32. (v3.01.01) Added PPPoE network connection
33. (v3.01.01) Supported Dynamic DNS function and provided three DDNS service providers (DynDNS, No-IP and ZoneEdit)
34. (v3.01.01) Supported UPnP function
35. (v3.01.01) Added DHCP server function on LAN2.  
(LAN1 port is DHCP server and LAN2 port is DHCP client by default)
36. (v3.00.00) Supported TCD series video encoders
37. (v2.01.00) Multiple languages supported  
Czech, English, French, Italian, Japanese, Russian, Spanish, Simplified Chinese and Traditional Chinese.
38. (v2.01.00) Digital PTZ function supported

39. (v2.01.00) Added Camera list, Event list and PTZ controller in Live View screen.

## Enhancement

1. (V4.06.29) Support time format modification.
2. (V4.06.29) Support DHCP host-name, vendor-class-identifier and ntp-servers options.
3. (V4.06.29) Mobile Client compatibility improvement
4. (V4.06.29) Support ECD-1000 "Add Camera Manually(NVR)" function.
5. (V4.06.29) Network security enhancement
6. (V4.03.03) HDD compatibility improvement with Seagate Enterprise series
7. (V4.02.09) 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
8. (v4.01.07) PTZ configuration page is available for non-PTZ devices.
9. (v4.01.07) Bookmark can be synchronized between remote client and local site.
10. (v4.01.07) Supported camera's variable bit rate settings
11. (v4.00.05) ActiveX control files will be renamed to nvNOViewer and nvN0Service
12. (v4.00.02) Supported video loss and recovery in event trigger for video encoders.
13. (v4.00.02) Supported Fisheye Center function to set the center of video for ACTi Fisheye/Hemispheric camera models
14. (v4.00.01) Supported Auto-login from IP Utility v4.3 and later version
15. (v4.00.01) Supported camera doctor V1.0.0.3 remote debugging tool
16. (v3.00.00) User can add MPEG4/MJPEG camera manually. (Auto Add camera function will accept H.264 only.)

## Issue Solved

1. (V4.06.29) IP Utility compatibility issue
2. (V4.06.29) HDD compatibility issue
3. (V4.06.29) Motion detection status bar disappeared abnormally.
4. (V4.03.03) CMS2 could not see the event response setting of Video Recovery event from ENR.
5. (V4.03.03) CMS2 is unable to delete all users in ENR once time.
6. (V4.03.03) The image of channel preview in mobile client is not clear when camera using low resolution at 160x112 or 160x120.
7. (V4.02.09) Local live view latency issue enhancement
8. (v4.00.01) Remote IE client will be unstable if camera resolution is 10M
9. (v4.00.01) Incorrect D9X/E9X Mini Dome camera icon
10. (v4.00.01) Digital Output(s) function does not work on some models.
11. (v3.02.00) Detected 50 Hz & 60 Hz video output monitor automatically.
12. (v3.01.01) Fixed black screen in AVI reported from IE remote site for higher resolution (2592 x 1944, 2048 x 1536).
13. (v3.01.01) Fail to export Russian language translation file from local screen, hence user need to export the ru.json from IE remote site.

## Removed

1. (v3.02.00) Removed ZoneEdit from DDNS service provider list

## 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. To display on Mobile Client through ENR server only accept the camera using H.264 video compression and 1920 x 1080 or below resolution.
12. The ENR firmware will be not integrated with V series encoders and A series cameras.

## 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	2.0.11

## Supported Client Application

Application Name	App. Version
ACTi Mobile Client for iOS	1.01
ACTi Mobile Client for Android	1.0.14 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 v4.01.07 or later versions, ENR will block user to downgrade firmware to v4.00 or v3.x. If it is required to keep previous ENR firmware, please do not proceed with the upgrade.

### Important Notice

ENR v4.01.07 and later versions have the 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 to V4.03.03 via local display screen.

Step 1: Power on the ENR server.

Step 2: Unzip the ENR V4.06.29 firmware package and save the file.

“ENR-010-V4.06.29-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.

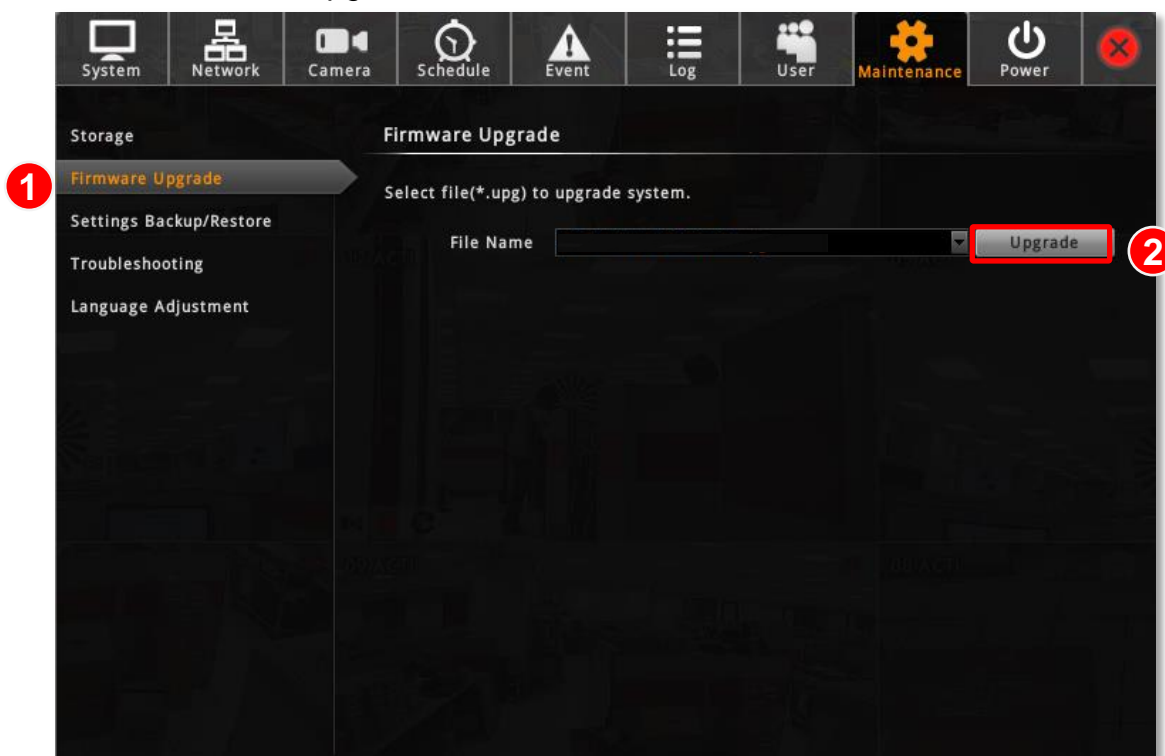
Step 3: Log in the ENR with Administrator account.

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.

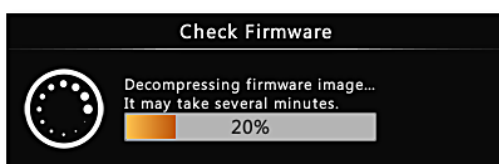
Step 4: Before you start to upgrade FW, please keep constant network connection between cameras and ENR server.

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



Step 6: The drop down list will show the detected image file “ENR-010-V4.06.29-AC.upg”.

Step 7: 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 8: 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>