

ACTi NVR 3 Enterprise

Release Notes

Version 3.0.12.42

2016/08/12



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Software Version

NVR 3 Enterprise Server version: v3.0.12.42

NVR 3 Enterprise Workstation for Windows version: v3.0.12.42

Release Date

2016.08.12

New Features

1. (V3.0.12.42) Supported new models: ACTi- B934
2. (V3.0.12.40) Supported new models: ACTi- Q92
3. (V3.0.12.38) Supported new models: ACTi- A42, A82, B945, B949, B59A, B511A, B74A, B76A
4. (V3.0.12.34) Supported new models: ACTi- Q61, Q81
5. (V3.0.12.29) Supported new models:
ACTi: A41, A81, C11W, E210, E217, E219, E222, E38, E417, E78, E819, E933, E933M, E936, E936M
B214, B215, B511, B59, B74, B76, B415, B416, B63, B83, B916, B917
I28, I48, I97, I98
Q11, Q13, Q14, Q19, Q112, Q115, Q91
Axis Q6000-E
Panasonic WJ-GXE500, WV-NF284, WV-NW502S, WV-SF336,
6. (V3.0.12.29) Supported auto tracking functions with specific ACTi cameras.
 - PTZ Auto tracking (for speed dome camera with firmware v7.00 and later)
 - Digital Auto tracking and Overview, Zoom and Tracking (OZT) (for Hemispheric camera with firmware v8.00 and later).
7. (V3.0.12.29) Supported H.265 compression, triple streams and multiple motion detection regions configuration (polygon and excluded regions) for specific ACTi cameras.
8. (V3.0.12.29) Added "Hybrid search" to auto search all cameras (ACTi and ONVIF-compliant devices)
9. (V3.0.12.29) Supported event message from Video Analytics products such as IVS Server 1, People Counting Server 1 or ALPR Server 2.

Supported IVS functions: Line Crossing, Enter Area, Missing Object, Unattended Object, Tamper, Incorrect Direction, People Counting and LPR.

10. (V3.0.12.29) Supported maximum user session settings. Default is unlimited user connections.
11. (V3.0.12.29) Supported multiple level view in view panel
12. (V3.0.11.12) Supported executable media files for video export function
13. (V3.0.11.12) Supported ONVIF event function (Motion, Digital input)
14. (V3.0.11.12) Supported Windows 10 with IE 11.
15. (V3.0.11.12) Supported new models:
 - ACTi: E217, E222, E38, E78 ,E936, E936M, E819, B214, B215, I97, I98, I28
 - IQINVISON: IQ032S, IQ542S, IQ732N, IQ865N, IQA15NX, IQeye855
16. (V3.0.10.40) Supported new models:
 - QIHAN NB441_W
17. (V3.0.10.35) Supported new models:
 - ACTi: I47
 - ETROVISION: EV8180Q-XD
 - SHANY: SNC-WDL2132M
18. (V3.0.10.29) Supported new models:
 - Level One:: FCS-4201, FCS-4202, FCS-4301, FCS-4302
19. (V3.0.10.25) Supported new models :
 - ACTi: E215, E223, E616, E618, E815, E817, E925
B22, B23, B46, B49
I27
20. (V3.0.10.19) Supported new models :
 - ACTi: E11A, E12A, E13A, E15, E16, E23B, E48, E617, E816, E924M, E926M, E928, E928M, B210, B410, B82, I24, I25, I44, I45, I910, V31, V32
 - Axis: Q6042-E, 241Q, 2400+
 - AVTECH: AVM500, AVM552, AVM583
 - Panasonic: WV-SP306, WV-SW395, WV-SW396
 - Level One: FCS-0030, FCS-0031, FCS-0071, FCS-1041, FCS-1131, FCS-1135, FCS-1141, FCS-3052, FCS-3062, FCS-3071, FCS-3081, FCS-3091, FCS-3101, FCS-3102, FCS-4041, FCS-4101, FCS-4102, FCS-5042, FCS-5043, FCS-5051, FCS-5052, FCS-5061, FCS-5062, FCS-6020,

WCS-0030, WCS-0050, WCS-6020, WCS-6050

- 21. (V3.0.10.19) Supported Bookmark management, Bookmark Search, Bookmark Dialog and export video with bookmark functions.
- 22. (V3.0.10.19) Supported PTZ function via ONVIF integration
- 23. (V3.0.10.19) Added GPS settings for NVR server and supported GPS Positioning manual settings for camera with new firmware v6.0.08 and newer versions.
- 24. (V3.0.10.19) Added specific recording schedule for a single date or a period as long as 400 days.
- 25. (V3.0.10.19) Added password protection for playback function and supported password validity period setting.
- 26. (V3.0.10.19) Added new language: German
- 27. (V3.0.10.19) Supported “default enlarged view” that allows the use of stream 2 on multi-channel live view and switch to stream 1 when pulling up single channel.
- 28. (V3.0.09.10) Added Redundancy Server function
- 29. (V3.0.09.10) Supported camera continue recording function on local storage for specific models with camera firmware v6.07 and newer. The function will retrieve the missing recording from camera local storage. (Please check supported models from ACTi Unified Solution Validator <http://www.acti.com/UnifiedSolution>)
- 30. (V3.0.09.10) Supported Smart Search function of recorded video by Motion Detection and Tamper
- 31. (V3.0.09.10) Supported new models : E14, E918, E919, E920, E921, E922, E923, E918M, E919M, E920M, E921M, E922M, E923M, E98, E31A, E32A, E33A, E34A, E35, E36, B21, B24, B25, B27, I51, I71, V11, V21, V22, V23, V24, M7001, SNC-RZ25N, FE8171, Q24M, VTiP, SNP-1000.
- 32. (V3.0.08.16) Supported new models D21F, D21V, D22F, D22V, E21F, E21V, E22F, E22V
- 33. (V3.0.08.14) Supported ONVIF compliant cameras with video streaming function and basic configuration.
- 34. (V3.0.08.14) Supported new models: B41, B44, B45, B47, B51, B52, B54, D21FA, D21VA, D22FA, D22VA, D41A, D42A, D61A, D62A, D64A, D65A, D71A, D72A, D81A, D82A, E21FA, E21VA, E22FA, E22VA, E23A, E25A, E270, E271, E37, E41B, E42B, E43B, E44A, E45A, E46A, E47, E610, E61A, E62A, E63A, E64A, E65A, E66A, E67A, E68, E69, E71A, E72A, E73A, E74A, E75, E76, E81A, E82A, E83A, E84A, E85A,

- E86A, E88, E89,
- 35. (V3.0.07.04) Supported Fisheye Image Calibration
 - 36. (V3.0.07.04) Supported video function for third-party camera with standard RTP protocol
 - 37. (V3.0.07.04) 1 channel free Camera Device Pack(CDP) license
 - 38. (V3.0.07.04) Supported new models: B61, B64, B65, B67, B81, B84, B85, B87, B95, E56, E57, E58, E59, E77, 215 PTZ, IQEYE-752
 - 39. (V3.0.06.13) Supported models: I93, I94, I95, I96, B94, B96, B97, E24A, M1114, GV-BL1200
 - 40. (V3.0.06.08) Supported fisheye view modes(Dewarping, Panorama, Double Panorama, Quad)for fisheye camera (e.g. E96) with Fisheye View Software Algorithm and export current view to AVI
 - 41. (V3.0.06.08) Supported models: B54, B55, B56, I91, I92, Q6035, M3203, AV40185DN, GV-BX140DW, GV-MFD130, IPFD2MT, IP8362, FD8162
 - 42. (V3.0.06.08) Supported multi server sites in server list, play audio file (wav and mp3) function when event is triggered and display Performance Settings function on NVR Workstation
 - 43. (V3.0.06.08) Supported Forgot Password function
 - 44. (V3.0.06.08) Supported Switch View function in Event Setup page
 - 45. (V3.0.06.08) Supported Digest Authentication in Administrator Tool
 - 46. (V3.0.05.07) Supported models: D91, D92, AV1355M, AV8185, AV8365
 - 47. (V3.0.05.07) Added troubleshooting tool
 - 48. (V3.0.04.01) Supported Windows 8 and Windows server 2012
 - 49. (V3.0.04.01) Supported new models: D61, E66, FD8133
 - 50. (V3.0.03.09) Supported new model: D12
 - 51. (V3.0.03.09) Supported Microsoft Internet Explorer 10.0.
 - 52. (V3.0.03.09) Supported Fisheye stream mode, mounting type and installation angle adjustment for KCM-3911 and KCM-7911 with camera new FW v5.09 or later version.
 - 53. (V3.0.02.34) Supported New models: KCM-8211, D41, D42, D62, E23, E24, E25, E34, E41A, E42A, and E43A.
 - 54. (V3.0.02.34) Supported maximum license number 100 channels.
 - 55. (V3.0.02.34) Supported device's network address with IPv6 address
 - 56. (V3.0.02.34) Supported CDP (Camera Device Pack) license.
 - 57. (V3.0.02.09) Supported e-Map function
 - 58. (V3.0.02.09) Supported New models: KCM-8111, D52, E12, E13, E32, E33, E41, E42, E43, E53, and E54.

- 59. (V3.0.02.09) Added new languages : Arabic, Polish
- 60. (V3.0.02.09) Supported instant patrol and customized patrol, user can save dwell time between the views.
- 61. (V3.0.02.09) Supported view groups management function.
- 62. (V3.0.02.09) User can import a domain group as a user group
- 63. (V3.0.01.26) Supported New models : D11, D51, E11, E21, E31, E51, E52
- 64. (V3.0.01.24) Supported G711 a-Law/u-Law, G726 32-bits (ADPCM).
- 65. (V3.0.01.22) Supported Microsoft Active Directory® service to provide a more convenient choice for user management
- 66. (V3.0.01.22) Added “Set Frame Rate for Event Recording Mode” function on Setup page →Device →Video tab. In order to keep recording all the way without losing any single moment, the function can provide different frame rate option in non-event situation.
- 67. (V3.0.01.22) Supported up to 64 channels playback synchronously.

Enhancements

- 1. (V3.0.12.29) Added idle time setting for automated logout
- 2. (V3.0.12.29) Added keyword search to find the Domain user group and user.
- 3. (V3.0.12.29) Added camera event search in System log
- 4. (V3.0.12.29) Added PTZ method options such as Serial Hex and URL.
- 5. (V3.0.12.29) Added live stream settings on NVR workstation to decide the stream from camera or NVR directly.
- 6. (V3.0.11.12) Supported 16x playback speed
- 7. (V3.0.11.12) E-Map supported show hide function for device name and vision angle,
- 8. (V3.0.10.40) Supported “Motion Alarm” event for ONVIF camera
- 9. (V3.0.10.25) Supported Audio MPEG-4 AAC
- 10. (V3.0.10.19) The maximum pre-event buffer is changed from 5 seconds to 60 seconds, and post-event buffer is changed from 300 seconds to 3600 seconds.
- 11. (V3.0.10.19) Supported embedded instant playback
- 12. (V3.0.10.19) Supported Fisheye Ground mount setting for Fisheye and Hemispheric camera with camera firmware v6.0.08 and newer.
- 13. (V3.0.10.19) Supported customized motion region color
- 14. (V3.0.10.19) The maximum Pre-Event Recording buffer is changed to

60 seconds (default is 5 seconds), and Post-Event Recording buffer is changed to 3600 seconds (default is 30 seconds).

15. (V3.0.10.19) Added camera IR Exposure Compensation in Video Adjustment
16. (V3.0.10.19) The PTZ tab will be hide if the ONVIF camera does not support pan, tilt and zoom functions.
17. (V3.0.10.19) The number of preset points will be depended on device capability.

For example

Protocol	number of preset points
ACTi	256
Sony Visca	256
Dynacolor	256
Pelco D/P	32
Vicon	32
Samsung	16

18. (V3.0.09.10) Supported ONVIF profile selection setup
19. (V3.0.09.10) Motion alert region can be disabled or enabled
20. (V3.0.09.10) The different NVR server and client versions can be detected on NVR workstation
21. (V3.0.09.10) Exported Video will embed watermark code automatically
22. (V3.0.09.10) Added Samsung PTZ protocol
23. (V3.0.09.10) Supported 1 day for duration time of exported video
24. (V3.0.09.10) Supported tilt and pan operation for fisheye camera
25. (V3.0.09.10) Zoom function can be enabled by Model or Protocol
26. (V3.0.08.14) Supported more video adjustment settings of camera
 - a. Image: Video Flipping, Video Mirroring, Digital Noise Reduction and Wide Dynamic Range
 - b. Day/Night: Day/Night Mode and Threshold
 - c. Exposure/White Balance: Exposure Mode, White Balance, R Gain, B Gain, AE Reference Target, Exposure Gain, Shutter Speed, IRIS Control and Line Frequency
27. (V3.0.08.14) Supported mouse wheel to zoom in or zoom out the time scale
28. (V3.0.06.08) The maximum Post-Event Recording buffer is changed from 300 to 3600 seconds (default is 30 seconds)
29. (V3.0.06.08) Showed Serial Number and Firmware Version in Basic Setup page

- 30. (V3.0.06.08) Added disk status (Disk Full, Disk Available and No Disk) and export video log
- 31. (V3.0.06.08) Keep last configuration of Stretch Video Window and Stretch Video
- 32. (V3.0.06.08) User can change current password via Update Profile function
- 33. (V3.0.02.09) This version changed H.264 decoder to enhance video performance and CPU loading.
- 34. (V3.0.01.26) Supported storage space more than 4TB
- 35. (V3.0.01.24) Updated languages: Russian, French
- 36. (V3.0.01.24) SMTP account can accept "@".
- 37. (V3.0.01.24) For Windows 2003, it did not have "MyPicture" folder, hence the Snapshot function will store the snapshot files on user's desktop.
- 38. (V3.0.01.22) Support up to 64 channels playback synchronously.
- 39. (V3.0.01.22) Support instant playback function in Live View mode
- 40. (V3.0.01.22) Only use HTTP port between NVR3 and client
- 41. (V3.0.01.22) Do not use Microsoft SQL server anymore in the new NVR3 to avoid the SQL server limitation (up to 2 million records only, higher memory consumption and slower search/delete speed in large records). We use unified database to have lower CPU/RAM consumption, higher search/delete speed, easy installation and upgrading.
- 42. (V3.0.01.22) The file size of installation package is under 30MB
- 43. (V3.0.01.22) Intuitive User Interface

Issue Solved

- 1. (V3.0.12.42) The exported AVI file may have incorrect frame rate for A41, A42, A81, A82 and C11W models.
- 2. (V3.0.12.42) The stability problem using D-Link models via ONVIF
- 3. (V3.0.12.40) The processing of Calibration for Overview, Zoom and Tracking (OZT) may not work normally.
- 4. (V3.0.12.39) The video setting of ONVIF camera cannot be changed sometimes.
- 5. (V3.0.12.38) Show Script error when attempting to copy some event responses to other camera
- 6. (V3.0.12.34) Live view may display black screen after digital zoom-in

7. (V3.0.10.40) New domain user is not listed in user list.
8. (V3.0.10.35) Solved the stop recording unusually
9. (V3.0.10.35) Some specific third-party camera may cause higher CPU loading.
10. (V3.0.10.25) Go to preset point is not working sometimes via ONVIF
11. (V3.0.10.25) The exported avi file did not add Video information in file properties if the file size is more than 2GB.
12. (V3.0.10.25) Search ONVIF device will always show Authentication Failed.
13. (V3.0.10.25) Show recording icon when "Non-event Frame Rate" setting is 0 and no event occurs.
14. (V3.0.10.25) Event handler may be ineffective sometimes.
15. (V3.0.10.25) Show abnormal video in Live view unexpectedly and may mantle other available functions
16. (V3.0.10.25) NVR may stop record the device after deleting specific schedule setting on this device.
17. (V3.0.10.19) Export video processing is incomplete sometimes.
18. (V3.0.10.19) Script error when the domain user is logging in to NVR server and the user is added to multiple domain groups.
19. (V3.0.10.19) Smart search result may be inconsistent with same search conditions.
20. (V3.0.10.19) The recording does not include audio by manual record sometimes.
21. (V3.0.09.10) The exported avi file is not completed if time duration is close to one hour.
22. (V3.0.08.14) IRIS Control option and PTZ is disable for some models (e.g. B61, B64, B65, B67, B81, B84, B85 and B87)
23. (V3.0.08.14) Exposure mode of camera is manual, the WDR option should be hide.
24. (V3.0.08.14) Digital zoom speed cannot be controlled with the mouse wheel
25. (V3.0.07.04) To export CDP cameras in AVI format for high resolution cameras
26. (V3.0.07.04) Failed to export current fisheye view to AVI occasionally
27. (V3.0.06.13) Live view display is unstable while camera using 2048 x 1536 or higher resolution with RTP over TCP or RTP over TCP
28. (V3.0.04.01) Unable to install prior version v3.0.03.09 in Windows XP
29. (V3.0.03.09) Script error issue when add device by auto search devices.
30. (V3.0.02.35) Playback will show black screen in Mobile Go App v2.0.48

- 31. (V3.0.02.34) Not support Windows Server 2008 64-bit system.
- 32. (V3.0.02.34) NVR service may not run normally on windows XP.
- 33. (V3.0.02.34) The layout style format will be changed after modifying name on view manager.
- 34. (V3.0.02.34) Audio function may be inconsistent with icon display.
- 35. (V3.0.02.34) Live View may display black screen on all devices sometimes after Live/Playback/Setup pages switching.
- 36. (V3.0.02.34) Address ID for PTZ camera only supported 1 and 2.
- 37. (V3.0.02.34) No "Server Loss" message in event panel after NVR server lost network connection.
- 38. (V3.0.02.34) NVR will show script error occasionally.
- 39. (V3.0.02.09) PTZ function does not work on CAM-66xx with firmware v2.09.11 and earlier version.
- 40. (V3.0.02.09) Decode I-frame function does not work when all channels are MJPEG.
- 41. (V3.0.02.09) NVR will get one more streams from camera.
- 42. (V3.0.02.09) Motion 3 and 4 settings on ACD2000Q are unable to save in NVR.
- 43. (v3.0.02.09) IE may be unstable due to frequent pop-up instant playback or constantly changing view by patrol.
- 44. (V3.0.01.26) NVR service will stop on specific condition.
- 45. (V3.0.01.26) Fix the Offline Registration problem

Limitations

- 1. Minimum Resolution is 1024x768.
- 2. You may need to open HTTP port 80 and ActiveMediaServer.exe in firewall. Or you can remove Anti-virus software and add exception in windows firewall.
- 3. Export Video function will need enough free space. The free space size will be depended on the image compression, frame rate, channel numbers, export duration time, and raw or avi video type. (If the free space is not enough, the Export result will still show Success.)
- 4. The account-naming rule is only English letters, numbers and specific symbols are allowed except some symbols " / \ [] : ; | = , + * ? < > "

5. When you configure the Disk Drive for recording, please make sure the “Free Space” is larger than “Reserve Space” in Setup page ->Storage tab.
6. Not support Variable Bit Rate mode.
7. Not support multicast mode.
8. Not support OSD Menu operation for speed dome camera.
9. SED and CAM series devices may not show correct Model Name.
10. For individual recording, if the total size is over 2 GB, or the video encoder type, frame rate, resolution of this channel’s stream once altered during the selected Time Duration, this export video file will be divided.
11. Mobile Client cannot login NVR while using digest authentication.
12. Unable to login NVR with domain user while using digest authentication.
13. The maximum licensed channels (Standard channels + CDP channels) on GNR-3000 is 128. The maximum number of channels added to GNR-3000 server is 64.
14. The maximum licensed channels (Standard channels + CDP channels) on INR-410/420 is 400. The maximum number of channels added to INR server is 200.
15. For Windows Embedded Standard 7 (e.g. GNR-3000, INR-410, INR-420), Local Live layout is up to 16 channels, Local Playback layout is up to 9 channels.
16. For Windows Embedded Standard 7 (e.g. GNR-3000, INR-410, INR-420), if “Display Performance Settings” is enabled in System Setup page, the GNR-3000 local display will decode I frame only automatically when current layout style >4 or CUP usage >=50%.
17. The maximum amount of layout style will be 64 on NVR v3.0.06.08 and later version.
18. Not support ePTZ operation of 6VGA streaming mode. If camera is 6VGA mode, please operate the PTZ function through camera web configurator, or waiting for new KCM camera firmware v5.13.
19. NVR 3 version v3.0.10 and newer version will not support system

migration from NVR 2.x to NVR 3.

20. In H.265 compression, live view may flash sometimes at lower resolution (e.g. 320 x 240).

Supported languages

Arabic, Czech, Dutch, English, French, German, Hungarian, Indonesian, Italian, Japanese, Polish, Portuguese, Romanian, Russian, Spanish, Simplified Chinese, Thai 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>

NVR3 Installation

ACTi NVR 3 Enterprise is a typical web-based server/client system. There are two types of **Clients in NVR 3.0 system: Web Client** and **Workstation Client**. A user, connecting from whether web browser or workstation, will enjoy the same user interface and NVR functions.

● **Web Client:** the web version of interface to access NVR server without need of installing any client program to become a client. Logging in the NVR server is as simple as visiting a website through IE browser.

After the NVR3 server installation is complete, user can connect to <http://localhost:port> with Internet Explorer browser, and will see NVR login page.

● **Workstation Client:** the client application making accessing NVR server free from the use of browser .The workstation program that provide interface between users and the NVR server. It may be installed on the same PC as the NVR server, or they may be installed separately and connect to NVR3 Server via network.

Condition	Installation
New Installation NVR v3.0.01.20 and newer	Condition1
NVR v3.0.01.15 – v3.0.01.19	Condition 2
NVR 2.3 or Activator Installed	Not support

The performance of NVR is largely determined by the hardware PC capability. Please refer to “**Getting Started**” section in **NVR3 System Administrator's Manual** for all details about System Requirement, necessary prerequisites before installation, and installation procedure. If you want to substitute for another computer or re-install the NVR server, please refer to “**Back Up System Data**” section for getting more information.

● **Condition 1: (New installation/NVR v3.0.01.20 and newer Installed)**

1. Execute NVR3 server

“ACTi_NVR_Enterprise_Server_Install_v3.0.12.42.exe” installation application.

2. Follow the instructions of Install Shield Wizard to proceed and complete the installation.

If IIS Web Server has been installed on the computer and you are asked to restart the computer during installation process, please choose “Yes, I want to restart my computer now” to restart, and after the computer reboots, please continue to complete the NVR installation.

The **IP Port Checker** program will pop up to confirm the NVR HTTP port number with you. The installation program will use **80** as default. You may enter another available port number in “Listen Port” field and click “Apply”.

3. For NVR3 workstation, please execute NVR3 workstation “ACTi_NVR_Enterprise_Workstation_Install_v3.0.12.42.exe” and follow the install shield to complete the installation.

- **Condition 2: (NVR v3.0.01.15 – v3.0.01.19 Installed)**

1. If you already installed NVR v3 version prior to v3.0.01.25, the database backup files of these versions are not compatible with later versions. If missing data is not acceptable, then please do not proceed with the upgrade of newer NVR3 version. If missing data is tolerable, please follow the procedure to upgrade NVR3.
2. Please uninstall the previous version and delete the “NVR3” folder under \Program Files\ACTi Corporation\
3. Then follow the instructions of Install Shield Wizard to proceed and complete the NVR3 server and workstation installation.

Download and Documentation

NVR 3 Enterprise v3.0.12.42 software (server and workstation), the Release Notes, the System Administrator's and User's manuals are all available for download.

You may check "Software NVR" product in "Video Management System" section on ACTi corporate website for updates or release information about this software and documents.

<http://www.acti.com/products/software-nvr>

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>