

# **ACTi NVR 3 Enterprise**

## **Release Notes**

**Version 3.0.13.169**



# Legal Notice

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# Software Version

**NVR 3 Enterprise Server version: v3.0.13.169**

**NVR 3 Enterprise Workstation for Windows version: v3.0.13.169**

## Release Date

2018.10.17

## Compatible Models

NVR 3 Enterprise, INR-100, INR-340, INR-440, INR-450, INR-460

## New Features

1. (V3.0.13.169) Added “Scale” and “Center Point Calibration” settings of joystick on NVR Workstation software to set the sensitivity value and configure center point automatically or manually.
2. (V3.0.13.144) Supported new models: B923
3. (V3.0.13.132) Supported new models: A31, A32, A61, E912, E914, E710, Q951
4. (V3.0.13.132) Supported H.265 in ONVIF
5. (V3.0.13.132) Supported Audio Out function in Event Popup and Instant Playback popup dialog
6. (V3.0.13.132) Compatible with ACTi Mobile Client for Android v1.0.13
7. (V3.0.13.105) Supported Z31 and Z91 camera via ONVIF.
8. (V3.0.13.105) Supported new models: ACTi A92, Mobotix c25
9. (V3.0.13.89) Supported N-to-N Redundancy feature.
10. (V3.0.13.89) Supported ONVIF integration with Sound, Line Crossing and Forbidden Area events.
11. (V3.0.13.64) Added Visual Tracking to track a object through pre-configured multiple camera views
12. (V3.0.13.58) Supported new models: ACTi-Q950
1. (V3.0.13.58) Supported RFID event trigger
13. (V3.0.13.45) Supported new models:

ACTi:	A43, A83, B57, B57A, B77, B77A, E39, Q22. Q22-K1, Q51, Q94
IQINVISION:	IQM31N
Panasonic	WV-NS202A

14. (V3.0.13.45) Supported Thumbnail Search for specific time interval in playback mode.
15. (V3.0.13.45) Supported intelligent events from ACTi camera with built-in analytics, including Line crossing, Forbidden Area, Missing Object, Unattended Object, Loitering, Face Detection and Tamper
16. (V3.0.13.45) Supported sound detection in event trigger for ACTi cameras with audio-in interface and sound detection function.
17. (V3.0.13.45) Supported Event Confirmation Activation function to add comment for popup event confirmation dialog in Live view and the event can be marked and searched in playback mode.
18. (V3.0.13.45) Supported Digital input and output via ONVIF
19. (V3.0.13.45) Supported Anti-Aliasing settings
20. (V3.0.13.45) Supported font style, font size and font color for OSD settings
21. (V3.0.13.45) Supported CPU alarm for event trigger and system log
22. (V3.0.13.45) Supported account lockout settings
23. (V3.0.13.45) Supported display model settings to choice Live or Playback stream for Instant Playback or Popup windows.
24. (V3.0.13.45) Added schedule service start and stop in event trigger function for NVR server.
25. (V3.0.12.42) Supported new models: ACTi- B934
26. (V3.0.12.40) Supported new models: ACTi- Q92, Q31
27. (V3.0.12.38) Supported new models: ACTi- A42, A82, B945, B949, B59A, B511A, B74A, B76A
28. (V3.0.12.34) Supported new models: ACTi- Q61, Q81
29. (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,
30. (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).
- 31. (V3.0.12.29) Supported H.265 compression, triple streams and multiple motion detection regions configuration (polygon and excluded regions) for specific ACTi cameras.
- 32. (V3.0.12.29) Added "Hybrid search" to auto search all cameras (ACTi and ONVIF-compliant devices)
- 33. (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.
- 34. (V3.0.12.29) Supported maximum user session settings. Default is unlimited user connections.
- 35. (V3.0.12.29) Supported multiple level view in view panel
- 36. (V3.0.11.12) Supported executable media files for video export function
- 37. (V3.0.11.12) Supported ONVIF event function (Motion, Digital input)
- 38. (V3.0.11.12) Supported Windows 10 with IE 11.
- 39. (V3.0.11.12) Supported new models:
  - ACTi: E217, E222, E38, E78 ,E936, E936M, E819, B214, B215, I97, I98, I28
  - IQINVISION: IQ032S, IQ542S, IQ732N, IQ865N, IQA15NX, IQeye855
- 40. (V3.0.10.40) Supported new models:
  - QIHAN NB441\_W
- 41. (V3.0.10.35) Supported new models:
  - ACTi: I47
  - ETROVISION: EV8180Q-XD
  - SHANY: SNC-WDL2132M
- 42. (V3.0.10.29) Supported new models:
  - Level One:: FCS-4201, FCS-4202, FCS-4301, FCS-4302
- 43. (V3.0.10.25) Supported new models :
  - ACTi: E215, E223, E616, E618, E815, E817, E925  
B22, B23, B46, B49  
I27
- 44. (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
45. (V3.0.10.19) Supported Bookmark management, Bookmark Search, Bookmark Dialog and export video with bookmark functions.
46. (V3.0.10.19) Supported PTZ function via ONVIF integration
47. (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.
48. (V3.0.10.19) Added specific recording schedule for a single date or a period as long as 400 days.
49. (V3.0.10.19) Added password protection for playback function and supported password validity period setting.
50. (V3.0.10.19) Added new language: German
51. (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.
52. (V3.0.09.10) Added Redundancy Server function
53. (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>)
54. (V3.0.09.10) Supported Smart Search function of recorded video by Motion Detection and Tamper
55. (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.
56. (V3.0.08.16) Supported new models D21F, D21V, D22F, D22V, E21F,

- E21V, E22F, E22V
57. (V3.0.08.14) Supported ONVIF compliant cameras with video streaming function and basic configuration.
  58. (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,
  59. (V3.0.07.04) Supported Fisheye Image Calibration
  60. (V3.0.07.04) Supported video function for third-party camera with standard RTP protocol
  61. (V3.0.07.04) 1 channel free Camera Device Pack(CDP) license
  62. (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
  63. (V3.0.06.13) Supported models: I93, I94, I95, I96, B94, B96, B97, E24A, M1114, GV-BL1200
  64. (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
  65. (V3.0.06.08) Supported models: B54, B55, B56, I91, I92, Q6035, M3203, AV40185DN, GV-BX140DW, GV-MFD130, IPFD2MT, IP8362, FD8162
  66. (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
  67. (V3.0.06.08) Supported Forgot Password function
  68. (V3.0.06.08) Supported Switch View function in Event Setup page
  69. (V3.0.06.08) Supported Digest Authentication in Administrator Tool
  70. (V3.0.05.07) Supported models: D91, D92, AV1355M, AV8185, AV8365
  71. (V3.0.05.07) Added troubleshooting tool
  72. (V3.0.04.01) Supported Windows 8 and Windows server 2012
  73. (V3.0.04.01) Supported new models: D61, E66, FD8133
  74. (V3.0.03.09) Supported new model: D12
  75. (V3.0.03.09) Supported Microsoft Internet Explorer 10.0.
  76. (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.

- 77.(V3.0.02.34) Supported New models: KCM-8211, D41, D42, D62, E23, E24, E25, E34, E41A, E42A, and E43A.
- 78.(V3.0.02.34) Supported maximum license number 100 channels.
- 79.(V3.0.02.34) Supported device's network address with IPv6 address
- 80.(V3.0.02.34) Supported CDP (Camera Device Pack) license.
- 81.(V3.0.02.09) Supported e-Map function
- 82.(V3.0.02.09) Supported New models: KCM-8111, D52, E12, E13, E32, E33, E41, E42, E43, E53, and E54.
- 83.(V3.0.02.09) Added new languages : Arabic, Polish
- 84.(V3.0.02.09) Supported instant patrol and customized patrol, user can save dwell time between the views.
- 85.(V3.0.02.09) Supported view groups management function.
- 86.(V3.0.02.09) User can import a domain group as a user group
- 87.(V3.0.01.26) Supported New models : D11, D51, E11, E21, E31, E51, E52
- 88.(V3.0.01.24) Supported G711 a-Law/u-Law, G726 32-bits (ADPCM).
- 89.(V3.0.01.22) Supported Microsoft Active Directory® service to provide a more convenient choice for user management
- 90.(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.
- 91.(V3.0.01.22) Supported up to 64 channels playback synchronously.

## Enhancements

- 1. (V3.0.13.164) The receive timeout is changed from fixed 10 seconds to share the "Connection Timeout" setting. NVR will run the event response when there is no receive data from the connected video device after receive timeout. The minimum value of receive timeout is 5 seconds.
- 2. (V3.0.13.163) ONVIF RTP enhancement
- 3. (V3.0.13.132) Supported any direction operation for mouse PTZ and Joystick.
- 4. (V3.0.13.132) Added 5 Minutes option in thumbnail search
- 5. (V3.0.13.105) The movement sensitivity improvement of PTZ joystick
- 6. (V3.0.13.105) Supported connecting to another NVR server from

Workstation login page when the Workstation is running on Windows Embedded 7.

7. (V3.0.13.105) Added showing warning message when the free space detection before beginning NVR installation is not enough.  
(The free space of system storage is not less than 10GB, and total system storage must be more than 64GB.)
8. (V3.0.13.105) The default session timeout of RTP/UDP is set to 60 seconds.
9. (V3.0.13.89) Visual Tracking is moved to Basic setup page.
10. (V3.0.13.59) Supported WebSocket protocol
11. (V3.0.13.45) User permissions will be merged while user belongs to multiple domain user groups.
12. (V3.0.13.45) Supported copy function for user group settings
13. (V3.0.13.45) Added Resume Preset Tour time and default PTZ speed settings for PTZ camera
14. (V3.0.13.45) Supported "Absolute PTZ" function
15. (V3.0.12.29) Added idle time setting for automated logout
16. (V3.0.12.29) Added keyword search to find the Domain user group and user.
17. (V3.0.12.29) Added camera event search in System log
18. (V3.0.12.29) Added PTZ method options such as Serial Hex and URL.
19. (V3.0.12.29) Added live stream settings on NVR workstation to decide the stream from camera or NVR directly.
20. (V3.0.11.12) Supported 16x playback speed
21. (V3.0.11.12) E-Map supported show hide function for device name and vision angle,
22. (V3.0.10.40) Supported "Motion Alarm" event for ONVIF camera
23. (V3.0.10.25) Supported Audio MPEG-4 AAC
24. (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.
25. (V3.0.10.19) Supported embedded instant playback
26. (V3.0.10.19) Supported Fisheye Ground mount setting for Fisheye and Hemispheric camera with camera firmware v6.0.08 and newer.
27. (V3.0.10.19) Supported customized motion region color
28. (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).

- 29. (V3.0.10.19) Added camera IR Exposure Compensation in Video Adjustment
- 30. (V3.0.10.19) The PTZ tab will be hide if the ONVIF camera does not support pan, tilt and zoom functions.
- 31. (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

- 32. (V3.0.09.10) Supported ONVIF profile selection setup
- 33. (V3.0.09.10) Motion alert region can be disabled or enabled
- 34. (V3.0.09.10) The different NVR server and client versions can be detected on NVR workstation
- 35. (V3.0.09.10) Exported Video will embed watermark code automatically
- 36. (V3.0.09.10) Added Samsung PTZ protocol
- 37. (V3.0.09.10) Supported 1 day for duration time of exported video
- 38. (V3.0.09.10) Supported tilt and pan operation for fisheye camera
- 39. (V3.0.09.10) Zoom function can be enabled by Model or Protocol
- 40. (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
- 41. (V3.0.08.14) Supported mouse wheel to zoom in or zoom out the time scale
- 42. (V3.0.06.08) The maximum Post-Event Recording buffer is changed from 300 to 3600 seconds (default is 30 seconds)
- 43. (V3.0.06.08) Showed Serial Number and Firmware Version in Basic Setup page
- 44. (V3.0.06.08) Added disk status (Disk Full, Disk Available and No Disk) and export video log

45. (V3.0.06.08) Keep last configuration of Stretch Video Window and Stretch Video
46. (V3.0.06.08) User can change current password via Update Profile function
47. (V3.0.02.09) This version changed H.264 decoder to enhance video performance and CPU loading.
48. (V3.0.01.26) Supported storage space more than 4TB
49. (V3.0.01.24) Updated languages: Russian, French
50. (V3.0.01.24) SMTP account can accept "@".
51. (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.
52. (V3.0.01.22) Support up to 64 channels playback synchronously.
53. (V3.0.01.22) Support instant playback function in Live View mode
54. (V3.0.01.22) Only use HTTP port between NVR3 and client
55. (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.
56. (V3.0.01.22) The file size of installation package is under 30MB
57. (V3.0.01.22) Intuitive User Interface

## Issue Solved

1. (V3.0.13.164) Show connection failed after "Get Device Settings" for TCM/TCD models
2. (V3.0.13.163) Failed to connect some camera models via ONVIF if the camera is using MJPEG and 3MP above resolution.
3. (V3.0.13.158) Show incorrect frame rate value if the return value with decimal point from ONVIF device.
4. (V3.0.13.158) It is unable to show domain user list in added dialog when number of user is over 20,000.
5. (V3.0.13.158) Fixed the ONVIF connection with 2N® IP Force device.
6. (V3.0.13.150) Fixed security issue to prevent system unstable in receiving malformed HTTP header.
7. (V3.0.13.150) Fixed the inconsistent status message after exporting

RAW file.

8. (V3.0.13.150) A61 shutter speed option mismatch
9. (V3.0.13.147) Fixed memory leak issue with ONVIF camera.
10. (V3.0.13.147) No pop up **IP Port Checker** program and SQL configuration during NVR installation from v3.0.13.142 to v3.0.13.146.
11. (V3.0.13.144) Failed to save the mounting type setting.
12. (V3.0.13.144) ONVIF compatible issue with new myONVIF.dll
13. (V3.0.13.144) The configuration tab of ONVIF camera will be hidden when Visual Tracking is enabled.
14. (V3.0.13.132) The Smart Search function could be not working when importing ROI from another camera with different resolution.
15. (V3.0.13.132) The NVR login failed if the user password contains special characters (e.g. "ô").
16. (V3.0.13.132) The Zoom In and Zoom Out buttons are disabled for PTZ camera via ONVIF
17. (V3.0.13.105) Fixed the recording gaps during playback when using Speed Up recording.
18. (V3.0.13.105) The System Log may freeze on searching or not responding sometimes.
19. (V3.0.13.105) PTZ start / stop url command using non- ACTi protocol cannot work via NVR.
20. (V3.0.13.105) The "Tracking" and "Start Scan" buttons should be hidden when PTZ method is set to Serial Hex.
21. (V3.0.13.105) NVR may freeze in Live page after leaving from password protection page.
22. (V3.0.13.105) Show script error sometimes after pressing "Advanced" button in PTZ setting page.
23. (V3.0.13.105) Show script error sometimes after adding ONVIF PTZ camera.
24. (V3.0.13.105) Fixed the Zoom In and Zoom Out buttons in PTZ panel for ONVIF camera to be disabled.
25. (V3.0.13.105) When adding the ONVIF camera and PTZ settings are not configured yet, the PTZ function may not work.
26. (V3.0.13.105) The hotkey functions should be ignored when NVR is switching page among Live, Playback or Setup.
27. (V3.0.13.105) The quantity of Q950 shall be two digital inputs and one digital output.
28. (V3.0.13.105) Fixed the ONVIF event integration about subscribe

- method and renew request.
29. (V3.0.13.105) Pan/Tilt/Zoom speed settings update for ONVIF PTZ Continuous mode.
  30. (V3.0.13.105) Show script error sometimes after restoring the configurations with NVR Workstation.
  31. (V3.0.13.89) When the password of camera contains special characters, NVR could be unable to get Video or Motion settings.
  32. (V3.0.13.89) NVR and SQL server installation failed because the installation path is too long. The temporary folder for installation will be created from current location to C:\ drive.
  33. (V3.0.13.64) The recorded video may drop frames or have gaps in playback when NVR received the incorrect stream format.
  34. (V3.0.13.47) Show "Connection failed" after upgrading NVR server from v3.0.12 to 3.0.13.45
  35. (V3.0.12.42) The exported AVI file may have incorrect frame rate for A41, A42, A81, A82 and C11W models.
  36. (V3.0.12.42) The stability problem using D-Link models via ONVIF
  37. (V3.0.12.40) The processing of Calibration for Overview, Zoom and Tracking (OZT) may not work normally.
  38. (V3.0.12.39) The video setting of ONVIF camera cannot be changed sometimes.
  39. (V3.0.12.38) Show Script error when attempting to copy some event responses to other camera
  40. (V3.0.12.34) Live view may display black screen after digital zoom-in
  41. (V3.0.10.40) New domain user is not listed in user list.
  42. (V3.0.10.35) Solved the stop recording unusually
  43. (V3.0.10.35) Some specific third-party camera may cause higher CPU loading.
  44. (V3.0.10.25) Go to preset point is not working sometimes via ONVIF
  45. (V3.0.10.25) The exported avi file did not add Video information in file properties if the file size is more than 2GB.
  46. (V3.0.10.25) Search ONVIF device will always show Authentication Failed.
  47. (V3.0.10.25) Show recording icon when "Non-event Frame Rate" setting is 0 and no event occurs.
  48. (V3.0.10.25) Event handler may be ineffective sometimes.
  49. (V3.0.10.25) Show abnormal video in Live view unexpectedly and may mantle other available functions
  50. (V3.0.10.25) NVR may stop record the device after deleting specific

- schedule setting on this device.
51. (V3.0.10.19) Export video processing is incomplete sometimes.
  52. (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.
  53. (V3.0.10.19) Smart search result may be inconsistent with same search conditions.
  54. (V3.0.10.19) The recording does not include audio by manual record sometimes.
  55. (V3.0.09.10) The exported avi file is not completed if time duration is close to one hour.
  56. (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)
  57. (V3.0.08.14) Exposure mode of camera is manual, the WDR option should be hide.
  58. (V3.0.08.14) Digital zoom speed cannot be controlled with the mouse wheel
  59. (V3.0.07.04) To export CDP cameras in AVI format for high resolution cameras
  60. (V3.0.07.04) Failed to export current fisheye view to AVI occasionally
  61. (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
  62. (V3.0.04.01) Unable to install prior version v3.0.03.09 in Windows XP
  63. (V3.0.03.09) Script error issue when add device by auto search devices.
  64. (V3.0.02.35) Playback will show black screen in Mobile Go App v2.0.48
  65. (V3.0.02.34) Not support Windows Server 2008 64-bit system.
  66. (V3.0.02.34) NVR service may not run normally on windows XP.
  67. (V3.0.02.34) The layout style format will be changed after modifying name on view manager.
  68. (V3.0.02.34) Audio function may be inconsistent with icon display.
  69. (V3.0.02.34) Live View may display black screen on all devices sometimes after Live/Playback/Setup pages switching.
  70. (V3.0.02.34) Address ID for PTZ camera only supported 1 and 2.
  71. (V3.0.02.34) No "Server Loss" message in event panel after NVR server lost network connection.
  72. (V3.0.02.34) NVR will show script error occasionally.
  73. (V3.0.02.09) PTZ function does not work on CAM-66xx with firmware v2.09.11 and earlier version.

- 74. (V3.0.02.09) Decode I-frame function does not work when all channels are MJPEG.
- 75. (V3.0.02.09) NVR will get one more streams from camera.
- 76. (V3.0.02.09) Motion 3 and 4 settings on ACD2000Q are unable to save in NVR.
- 77. (v3.0.02.09) IE may be unstable due to frequent pop-up instant playback or constantly changing view by patrol.
- 78. (V3.0.01.26) NVR service will stop on specific condition.
- 79. (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. Alternatively, you can remove Anti-virus software and add exception in windows firewall.
3. Please check Microsoft website for Windows updated to protect your system or standalone NVR against WannaCry or other virus attacks.
4. 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.)
5. The account-naming rule is only English letters, numbers and specific symbols are allowed except some symbols “ / \ [ ] : ; | = , + \* ? < > ”
6. When you configure the Disk Drive for recording, please make sure the “Free Space” is larger than “Reserve Space” in Setup page ->Storage tab.
7. Not support Variable Bit Rate mode.
8. Not support multicast mode.
9. Not support OSD Menu operation for speed dome camera.
10. SED and CAM series devices may not show correct Model Name.
11. For individual recording, if the total size is over 2GB, 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.
12. Mobile Client cannot login NVR while using digest authentication.
  13. Unable to login NVR with domain user while using digest authentication.
  14. For standalone NVR with Windows Embedded Standard 7 operating system, Local Live layout is up to 16 channels, Local Playback layout is up to 9 channels.
  15. For standalone NVR with Windows Embedded Standard 7 operating system, if “Display Performance Settings” is enabled in System Setup page, the local display will decode I frame only automatically when current layout style >4 or CUP usage >=50%.
  16. The maximum amount of layout style will be 64 on NVR v3.0.06.08 and later version.
  17. 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.
  18. NVR 3 version v3.0.10 and newer version will not support system migration from NVR 2.x to NVR 3.
  19. In H.265 compression, live view may flash sometimes at lower resolution (e.g. 320 x 240).
  20. The Audio-out, Digital-input, Event handle features for C11W, A4x, A8x will be supported through future firmware upgrade and NVR new version v3.0.14.
  21. The pre-installed NVR 3 software will be upgraded from NVR Enterprise to NVR 3 Corporate on these standalone NVR models, including NVR INR-100, INR-340, GNR-310, GNR-320, INR-410, INR-430, INR-440, INR-450, INR-460, MNR-310, MNR-320P, MNR-330P and GNR-3000 (shipment after January 2017)
  22. ACTi offers NVR 3 software with three editions, including NVR 3 Standard, NVR 3 Enterprise and NVR 3 Corporate. The different edition cannot be upgraded directly. Please check the NVR edition before starting the upgrade.
  23. Please perform Fisheye Image Calibration function through OZT Manual Calibration tool. NVR will not display Calibration page from camera firmware version v8.03.

24. NVR will show MD1 event trigger if tampering of E924, E924M, E44A, E77, B51 and B53 is detected.
25. NVR will show DI 1 event trigger if touch button of Q950/Q951 is detected.
26. The Z series camera models can be added in NVR by ONVIF only.
27. If audio out function is not working, please check the antivirus software running on the server, it may block the function.
28. The N-to-N Redundancy feature may require additional license LNVR3001 when there is not enough licenses installed to add the quantity of backup channels.
29. The Redundancy feature can work on NVR Corporate and Enterprise editions at the same time. The latest software version is recommended.

## 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. Please make sure the version of NVR server and workstation is the same.

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.

ACTi offers NVR 3 software with three editions, including NVR 3 Standard, NVR 3 Enterprise and NVR 3 Corporate. The different edition cannot be upgraded directly. **Please check the NVR edition before starting the**

upgrade.

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

1. Before starting to install NVR 3 server, be sure to reserve storage capacity of 40GB or above on the system drive for NVR 3 software. It is also advised that you use a separate disk for video recordings and the total capacity of system drive is more than 100GB.
2. Check that the .NET Framework has been installed.
  - a. Open "Programs and Features" from the Windows Control Panel
  - b. Check that "**Microsoft .NET Framework 4.0**" or above version has been installed on the computer correctly.
  - c. If .NET Framework is not present or older version of .NET Framework, then please download and install the .NET Framework 4.0 or above version.  
For example, [Microsoft .NET Framework 4.5](#)
3. If there is pop-up Security Warning message after using Windows compression tool to extract the NVR zipped file, please try to use other compression tool or right-click on the NVR zipped file -> open "Properties" -> click the "Unblock" button -> decompress the NVR zipped file again.
4. Execute NVR3 server "**Server\_Install.exe**" installation application.
5. 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".

6. For NVR3 workstation, please execute NVR3 workstation “Workstation\_Install.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 v3.0.13.169 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>