



# **ACTi CMS 2**

## **Release Notes**

**Version 2.0.13.23**



**ACTi**  
Connecting Vision

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# Software Version

**CMS 2 Server version: v2.0.13.23**

**CMS 2 Workstation for Windows version: v2.0.13.23**

## Release Date

2022.09.29

## New Features

1. (V2.0.13.22) Support "Recording Database Scan Status" events for NVR3 Corporate and Enterprise new version v3.0.16.29.
2. (V2.0.13.21) Supported new models: A421, A817 A28
3. (V2.0.13.21) Supported new models by ONVIF integration: Z36, Z37, Z38, Z71, Z710, Z810, Z98, Z952, VMGB-352
4. (V2.0.13.21) Support new functions with NVR3 Corporate new version v3.0.16.28.
5. (V2.0.13.21) Support Line Notification for event handler to send messages with the snapshots by Line Notify.
6. (V2.0.13.21) Support lite web clients with multiple browsers such as Google Chrome, Microsoft Edge and Apple Safari as lite web clients.
7. (V2.0.13.21) Support HTTPS connection for Server-to-Server, and Server to Camera (Source).
8. (V2.0.13.21) Support Active Directory filtering to quickly find a specific account to add it as the CMS user by filter the keyword in the domain.
9. (V2.0.13.21) Support Password Expiration Notification to display the warning message when the expiry date is getting closer.
10. (V2.0.13.21) Add a Network Access setting in user settings page for administrator to set a permitted IP address of each CMS user to access the CMS server.
11. (V2.0.13.21) Support Edge Storage, Delete OSD Settings, Remote Focus near / far, Cell motion detection setup and Copy function for camera settings, including Media and Motion Detection settings via ONVIF integration from NVR source devices.
12. (V2.0.13.21) Support GPU loading detection (client site), Memory limit exceeded (CMS Server and Source), CPU limit exceeded (CMS Server and Source), Network interface usage (CMS Server and Source),

- S.M.A.R.T failure and normal (Source), and Camera Disk Write Failure and Available (Source) for event trigger functions.
- 13.(V2.0.13.21) Support Hardware Acceleration for exporting AVI and MP4 (workstation only).
  - 14.(V2.0.13.21) Support Schedule Backup function to set the start time and keep backup days to backup configurations by weekly.
  - 15.(V2.0.13.21) The installation package supports Silent Installation mode by running **setup.exe /s** in the command line.
  - 16.(V2.0.12.36) Support the maximum number of layouts from 4-channel to 64-channel for CMS Media Player.
  - 17.(V2.0.12.35) Add PNG and BMP formats when exporting image.
  - 18.(V2.0.12.35) The login account will no longer have the default password, and the CMS will require a user to set a new password before access the CMS for the first time.
  - 19.(V2.0.12.35) Supported new models:  
ACTi:               A310, A311, A45, A46, A413, A415, A416, A418, A71, A74, A75, A85, A86, A89, A811, A815, A818  
                          B78
  - 20.(V2.0.12.35) Supported new models by ONVIF integration:  
ACTi:               A310, A311, A71, A74, A416, A418, A811, A818  
                          Z33, Z34, Z41, Z42, Z83, Z84, Z94, Z95  
                          Q75
  - 21.(V2.0.12.24) Supported new ENR firmware version v5.03
  - 22.(V2.0.12.24) Support for H.264/H.265 Hardware Accelerated Decoding.
  - 23.(V2.0.12.24) Support for Hardware Acceleration Switcher to select the Auto or Disable mode on CMS Workstation.
  - 24.(V2.0.12.24) Added Connection Status dialog to graphical display the total number of managing and network loss/recovery devices.
  - 25.(V2.0.12.24) Support ACTi Access Control Enterprise Server for access control integration.
  - 26.(V2.0.12.24) Ability to receive Vehicle Detection event, People Detection, Face Detection, Car Detection and more intelligent events from supported device.
  - 27.(V2.0.12.24) Added Tampering detection and Loitering Detector events for ONVIF events.
  - 28.(V2.0.12.24) Added "Snapshot As" dialog to crop and save a snapshot with designated file name and location for image export function.
  - 29.(V2.0.12.24) Supported account lockout settings

- 30. (V2.0.11.14) Supported H.265 in ONVIF
- 31. (V2.0.11.14) Supported new ENR firmware version v5.01
- 32. (V2.0.11.02) Supported Screen mode setting and Screen Patrol for TV Wall server with v1.0.08.06 to allow sending CMS view to specific TV Wall screen
- 33. (V2.0.10.28) Supported new models: ACTi- Q92
- 34. (V2.0.10.27) Supported new models: ACTi: A42, A82, B945, B949, B59A, B511A, B74A, B76A
- 35. (V2.0.10.23) Supported new models: ACTi: Q61, Q81
- 36. (V2.0.10.18) 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,
- 37. (V2.0.10.18) 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).
- 38. (V2.0.10.18) Supported H.265 compression, triple streams and multiple motion detection regions configuration (polygon and excluded regions) for specific ACTi cameras.
- 39. (V2.0.10.18) Added “Hybrid search” to auto search all cameras (ACTi and ONVIF-compliant devices)
- 40. (V2.0.10.18) 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.
- 41. (V2.0.10.18) Supported exporting video with POS event
- 42. (V2.0.10.18) Supported maximum user session settings. Default is unlimited user connections.
- 43. (V2.0.10.18) Supported multiple level view in view panel

- 44. (V2.0.10.18) Supported executable media files for video export function
- 45. (V2.0.10.18) Supported Video Push when adding ACTi Mobile Client devices with ACTi Mobile Client for Android v1.0.11 and newer versions in NVR 3 Corporate v3.0.11 and newer versions
- 46. (V2.0.10.18) Supported ONVIF event function (Motion, Digital input)
- 47. (V2.0.10.18) Supported Windows 10 with IE 11.
- 48. (V2.0.10.18) Supported new models:
  - IQINVISION: IQ032S, IQ542S, IQ732N, IQ865N, IQA15NX, IQeye855, IQA10S, IQeye702
  - CANIN VB-H41, VB-H610VE, VB-H710F, VB-S30D, VB-S800D, VB-S900F
- 49. (V2.0.10.18) Added Web Controller function to set URL address and connect to the embedded website in Live and Playback mode.
- 50. (V2.0.09.14) Supported third-party integration devices with POS system, access control and network I/O through NVR 3 Corporate.
- 51. (V2.0.09.14) Supported view patrol and playback control on TV Wall server.
- 52. (V2.0.09.14) Supported new models:
  - ACTi: I47
  - ETROVISION: EV8180Q-XD
  - SHANY: SNC-WDL2132M
- 53. (V2.0.09.14) Supported new models:
  - Level One:: FCS-4201, FCS-4202, FCS-4301, FCS-4302
- 54. (V2.0.09.14) Supported new models :
  - ACTi: E215, E223, E616, E618, E815, E817, E925  
B22, B23, B46, B49  
I27
- 55. (V2.0.09.14) 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

- 56. (V2.0.09.14) Supported Bookmark management, Bookmark Search, Bookmark Dialog and export video with bookmark functions.
- 57. (V2.0.09.14) Supported PTZ function via ONVIF integration
- 58. (V2.0.09.14) Added GPS settings of NVR server and GPS Positioning manual settings of camera with new firmware v6.0.08 and newer versions.
- 59. (V2.0.09.14) Added specific recording schedule for a single date or a period as long as 400 days.
- 60. (V2.0.09.14) Added password protection for playback function and supported password validity period setting.
- 61. (V2.0.09.14) 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.
- 62. (v2.0.08.13) Supported new models: WCS-6050, WCS-6020, WCS-0050, FCS-5051, FCS-5042, FCS-4101, FCS-4041, FCS-3101, FCS-3091, FCS-3052, FCS-1141, FCS-1131, FCS-0071, 2400+.
- 63. (v2.0.08.13) Supported camera continues recording function on local storage for D/E/B/I series models with FW v6.07. The function will retrieve the missing recording from camera local storage.
- 64. (v2.0.08.13) Supported Smart Search function of recorded video by Motion Detection and Tamper
- 65. (v2.0.08.13) Supported free license for 1-channel ACTi and 1-channel third-party video devices
- 66. (v2.0.07.14) Supported new models D21F, D21V, D22F, D22V, E21F, E21V, E22F, E22V
- 67. (v2.0.07.12) Supported ONVIF compliant cameras with video streaming function and basic configuration.
- 68. (v2.0.07.12) 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,
- 69. (v2.0.06.05) Supported playback function with ENR server
- 70. (v2.0.06.05) Supported Fisheye Image Calibration

- 71.(v2.0.06.05) Supported video function for third-party camera with standard RTP protocol
- 72.(v2.0.05.12) Supported new event response "Send to Wall". User can assign the specific camera or view layout to TV Wall with v1.0.02.02 or later version.
- 73.(v2.0.05.12) Supported live view function with ENR new version v4.00.01
- 74.(v2.0.05.12) User can turn on/off "Receive Event Message" from NVR source
- 75.(v2.0.05.12) 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
- 76.(v2.0.05.12) Supported models: I91, I92, I93, I94, I95, I96, B54, B55, B56, B94, B96, B97, E24A, M1114, Q6035, M3203, AV40185DN, GV-BX140DW, GV-MFD130, GV-BL1200, IPFD2MT, IP8362, FD8162
- 77.(v2.0.05.12) Supported multi server sites in server list, play audio file (wav and mp3) function when event is triggered and display Performance Settings function on CMS Workstation
- 78.(v2.0.05.12) Supported Forgot Password function
- 79.(v2.0.05.12) Supported Switch View function in Event Setup page
- 80.(v2.0.05.12) Supported Digest Authentication in Administrator Tool
- 81.(v2.0.04.07) Supported models: D91, D92, AV1355M, AV8185, AV8365
- 82.(v2.0.04.07) Add troubleshooting tool
- 83.(v2.0.03.02) Supported TV Wall
- 84.(v2.0.03.02) Supported Windows 8 and Windows server 2012
- 85.(v2.0.03.02) Supported Microsoft Internet Explorer 10.0

## Enhancements

- 1. (V2.0.13.23) Add "Subscription Type" setting in "Basic" page to receive event notifications in real-time for ONVIF camera by different methods, such as Pull or Push.
- 2. (V2.0.13.23) system timer of auto-logout function to detect overloading time is extended to 10 mins to avoid auto logout occurring at high frequency when the same event (e.g., Network Send/Receive Limit Exceeded) on the server is happening too often.
- 3. (V2.0.13.23) Add popup message dialog to show event name and wait for user confirmation before auto logout.

4. (V2.0.13.23) Add the Digital Signature to the InstallShield installation program.
5. (V2.0.13.22) Support audio G.726 40 kbit/s.
6. (V2.0.13.21) Add playback speed control options: 1/64, 1/32, 1/16, 1/8, 128 and 256.
7. (V2.0.13.21) Added layouts 9x9, 10x10, 11x11 and 12x12 on CMS Workstation.
8. (V2.0.13.21) Show an error message after DO response timeout from camera.
9. (V2.0.13.21) Speed up the processing time of loading the camera event when click on the Event tab and select for the camera event.
10. (V2.0.13.21) Support Troubleshooting Utility
11. (V2.0.12.36) Support Cell motion settings by ONVIF integration.
12. (V2.0.12.36) Extended the exported file name to avoid overwriting same file when exporting video files at the same time.
13. (V2.0.12.35) Supported time backward event when server detected backward time shift.
14. (V2.0.12.24) Added source information of event in email content for Send Email Notification, such as camera ID and camera name.
15. (V2.0.12.24) Event merge enhancement to handle receiving intensive events by second efficiently.
16. (V2.0.12.24) Media Player Enhancement
  - support Digital PTZ operation
  - support Fisheye view modes operation, such as Original View, Dewarping, Panorama, Double Panorama, Panorama/Focus and Quad.
  - support take a Snapshot (.jpg) by press hot-key "F7" or context menu
  - support Sound detection and Auto Tracking events searchable
17. (V2.0.12.24) Added "seconds" to calendar selector
18. (V2.0.12.24) Added time zone selection in playback page to view playback by user's local time for convenience.
19. (V2.0.12.24) Supported G.726 16, 24 and 32 kbit/s.
20. (V2.0.12.24) Supported variable sampling rate and audio channel for PCM audio format.
21. (V2.0.12.24) ONVIF connection and profile enhancement
22. (V2.0.11.05) The memory usage reduction when sending playback command to NVR3 directly.

- 23. (V2.0.10.18) Supported “Access Allowed” and “Access Denied” trigger events for Access Control devices
- 24. (V2.0.10.18) Supported “Schedule Service Start” and “ Schedule Service Stop” trigger events for NVR 3 server
- 25. (V2.0.10.18) Added idle time setting for automated logout
- 26. (V2.0.10.18) Added keyword search to find the Domain user group and user.
- 27. (V2.0.10.18) Added camera event search in System log
- 28. (V2.0.10.18) Added PTZ method options such as Serial Hex and URL.
- 29. (V2.0.10.18) Supported 16x playback speed
- 30. (V2.0.09.14) Supported “Motion Alarm” event for ONVIF camera
- 31. (V2.0.09.14) Supported Audio MPEG-4 AAC
- 32. (V2.0.09.14) 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.
- 33. (V2.0.09.14) Supported embedded instant playback
- 34. (V2.0.09.14) Supported Fisheye Ground mount setting for Fisheye and Hemispheric camera with camera firmware v6.0.08 and newer.
- 35. (V2.0.09.14) Supported customized motion region color
- 36. (V2.0.09.14) Added camera IR Exposure Compensation in Video Adjustment
- 37. (V2.0.09.14) The PTZ tab will be hide if the ONVIF camera does not support pan, tilt and zoom functions.
- 38. (V2.0.09.14) 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

- 39. (v2.0.08.13) Added resize region function in Smart Search ROI editor
- 40. (v2.0.08.13) The Imaging button will be disabled in camera video setup settings page when ONVIF device does not support this function.
- 41. (v2.0.08.13) Live view layout will remember the video stream ID configured for each channel

42. (v2.0.08.13) Supported ONVIF profile selection setup
43. (v2.0.08.13) Motion alert region can be disabled or enabled
44. (v2.0.08.13) The different CMS server and client versions can be detected on CMS workstation
45. (v2.0.08.13) Exported Video will embed watermark code automatically
46. (v2.0.08.13) Added Samsung PTZ protocol
47. (v2.0.08.13) Supported 1 day for duration time of exported video
48. (v2.0.08.13) Supported tilt and pan operation for fisheye camera
49. (v2.0.08.13) Zoom function can be enabled by Model or Protocol
50. (v2.0.07.12) 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
51. (v2.0.07.12) Supported mouse wheel to zoom in or zoom out the time scale
52. (v2.0.05.12) Show Serial Number and Firmware Version in Basic Setup page
53. (v2.0.05.12) Add disk status (Disk Full, Disk Available and No Disk) and export video log
54. (v2.0.05.12) Keep last configuration of Stretch Video Window and Stretch Video
55. (v2.0.05.12) User can change current password via Update Profile function

## Issue Solved

1. (V2.0.13.22) Fixed the export video to embedded CMS Media Player failed via HTTPS connection.
2. (V2.0.13.21) Fixed the email notification issue if the SMTP server doesn't require the authentication.
3. (V2.0.13.21) Fixed the exported audio is out of sync when exported video type is player.
4. (V2.0.13.21) Fixed showing script error for Q75 when click motion detection setup button.
5. (V2.0.13.21) Fixed "Media Server CPU Limit Exceeded" notification

- keeps popping out abnormally when accessing the CMS via workstation.
6. (V2.0.12.36) Client site will show “Process Failed” on clicking camera devices when CMS server and client sites have different IP address ranges.
  7. (V2.0.12.36) Fixed showing script error when importing all devices from the duplicated NVR servers.
  8. (V2.0.12.35) Login failed with the error message “system files are missing” because there are more than 300 sources in CMS system.
  9. (V2.0.12.35) Fixed the shutter speed options mismatch with camera models A23, A41, A81 and E17.
  10. (V2.0.12.35) Workstation stops working when exporting video which contains "no data" inside in the time range.
  11. (V2.0.12.24) Missing data (User Groups, Views, eMaps...etc.) after importing the duplicated NVR database into CMS.
  12. (V2.0.11.19) Show incorrect frame rate value if ONVIF device return value with decimal point.
  13. (V2.0.11.14) Media Player will play the same camera video streams when these cameras with the identical id from different NVR servers.
  14. (V2.0.11.04) Fixed the problem about playback function may stop working issue when playing 64-channel from remote client.
  15. (V2.0.11.03) Fixed the memory leak issue in Active Media Service process.
  16. (V2.0.10.28) The processing of Calibration for Overview, Zoom and Tracking (OZT) may not work normally.
  17. (V2.0.10.27) The video setting of ONVIF camera cannot be changed sometimes.
  18. (V2.0.10.23) Live view may display black screen after digital zoom-in
  19. (V2.0.09.14) After digital zooming the camera in live view and then taking snapshot, IE or CMS 2 Workstation may stop working
  20. (V2.0.09.14) The tilt direction is reversed when operating the PTZ through joystick and control panel page
  21. (V2.0.09.14) The subject and content included “NVR” text when pressing “Send Test Mail” button.
  22. (V2.0.09.14) The name will display overlapping text if the name string contains space.
  23. (v2.0.08.13) The exported avi file is not completed if time duration is close to one hour.

24. (v2.0.07.12) IRIS Control option and PTZ is disable for some models (e.g. B61, B64, B65, B67, B81, B84, B85 and B87)
25. (v2.0.07.12) Exposure mode of camera is manual mode, the WDR option should be hide.
26. (v2.0.07.12) Digital zoom speed cannot be controlled with the mouse wheel
27. (v2.0.07.12) Showed script error when user restored an incorrect configuration file.
28. (v2.0.07.12) When video is working normally, server did not reconnect the device after clicking Get Device Settings button.
29. (v2.0.07.12) UI bug fixed on IE8
30. (v2.0.06.05) Failed to export current fisheye view to AVI occasionally
31. (v2.0.06.05) Compatible issue with IE8
32. (v2.0.05.12) Unable to copy device settings correctly without select basic setting in Copy Device Settings page
33. (v2.0.04.07) Show script error sometimes while adding devices automatically.
34. (v2.0.03.02) Unable to save mounting type for KCM3911/ KCM7911

## Remark

1. System requirement for CMS is 64-bit operating system and fully patch with latest service packs.
2. Minimum Resolution is 1024x768.
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 multicast mode.
7. Not support OSD Menu operation for speed dome camera.

8. SED and CAM series devices may not show correct Model Name.
9. Mobile Client cannot login CMS while using digest authentication.
10. Unable to login CMS with domain user while using digest authentication.
11. The maximum amount of layout style will be 64 on CMS v2.0.05.12 and later version.
12. Not support ePTZ operation of 6VGA streaming mode. If camera is 6VGA mode, please operate the PTZ function through camera web configurator.
13. Camera continue recording function cannot be supported on D/E/B/I camera series without local storage interface and using firmware v6.06 and earlier versions.
14. Ability to get the supported model name and device capability from NVR source directly.
15. Full-featured web client is available for Microsoft Internet Explorer and Microsoft Edge browser (compatibility mode). Lite Web Client is the simplified edition of the browser-based client application with less features, such as H.264/MJPEG video streaming, Live view up to 16 channels, 1 channel embedded instant playback, PTZ control, Snapshot, Audio input.

## Compatible NVR/Utilities version

	Model	Firmware Version
Software NVR	NVR 3	v3.0.16 or later
Standalone NVR	GNR, INR series	v3.0.16 or later
	MNR-3x0	v3.0.12.42
	ENR-2xx, ENR-3xx, ENR-4xx	V5.05 or later
	MNR-1xx	V5.05 or later
Control Center	TV Wall server 1	v1.0.10 or later
Utilities	ACTi Mobile Client for iOS	v1.03 or later
	ACTi Mobile Client for Android	v1.0.17 or later

## Supported languages

Czech, Dutch, English, Spanish, French, Hungarian, Indonesian, Italian, Japanese, Romanian, Russian, 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>

## Download and Documentation

CMS v2.0.13.23 (server and workstation), the Release Notes, the System Administrator's manual are all available for download.

You may check "CMS 2" product in "Video Management System" section on ACTi corporate website for updates or release information about this software and documents.

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>