

Release Notes

Product: ACTi NVR Server

Version: v2.2 SP3 (v2.2.57 .0525)

Release Date: May. 25, 2010

PC Specification:

1. Minimum PC specification: (for NVR Server, NVR Workstation and NVR Web Client)

PC Specifications	16 Channels		32/48/64 channels	
	Minimum	Recommended	Minimum	Recommended
CPU	Intel Core 2 Duo 2.4 GHz	Intel i5-650 3.2 GHz	Intel Core 2 Quad 2.66 GHz	Intel i7-940 2.93 GHz
Memory	4GB	4GB +	4GB +	4GB +
Network	Gigabit Ethernet	Gigabit Ethernet	Gigabit Ethernet	Gigabit Ethernet
Graphics Card	nVidia 9500 GT or better	nVidia GTS 250 or better	nVidia 9800 GT or better	nVidia GTX 260 or better
Graphics Card memory	512 MB or more	512 MB or more	512 MB or more	512 MB or more
Hard Drive Space	2 GB for NVR , 100 GB for Video	2 GB for NVR, 250 GB for Video	2 GB for NVR, 500 GB for Video	2 GB for NVR, 1TB for Video

2. Before starting to record, be sure to reserve storage capacity of 20GB or above on the disk drive to be record onto.
3. Supported Windows OS for 32 bit and 64 bit systems are as below

OS	Version	32 bit	64 bit
Windows Vista	Ultimate sp1	Y	Y
	Enterprise sp1	Y	Y
	Business sp1	Y	Y
Windows Server 2003	Standard sp2	Y	Y
	Enterprise sp2	Y	Y
Windows XP	Professional sp3	Y	N/A
Windows Server 2008	Standard	Y	Y
	Enterprise	Y	Y
Windows 7	Professional	Y	Y

- For 64 bit NVR version, 64 bit Internet Explorer is not supported. Please use 32 bit Internet Explorer.
 - Does Not support Windows XP SP2
 - Windows XP Professional sp3 does not have 64bit version, so 64 bit NVR cannot be used on Windows XP.
 - Does Not support Windows Vista Home Edition
 - Does NOT support Windows 2000 both on Server side and on Client side
 - Please make sure all hot fix and service pack are patched
4. Supported Browser:
- Support both IE7 and IE8, but not in IE6 (only for 32bit IE. 64 bit IE not supported)
 - Please make sure your system is fully patched with the latest service packs.

Bundled Utility versions

	Backup Wizard	Media Converter	IP Utility	Streaming Explorer	Archive Player
Version	V2.0.17	V2.1.17	V3.5.25	V2.1.04	V2.1.15

NVR Edition Notice:

	NVR	
	Enterprise Edition	Professional Edition
Maximum Number of Channel	64	64
Free License	16	64
Deployment	Client-Server	Single-Server
Active Monitor	v	v
Active Player	v	v
Active Map	v	v
Active Setup	v	v
NVR Web Client	v	n/a
Get video from other NVR	v	n/a
Stream video to other NVR	v	n/a
Can be managed by CMS	v	n/a

- Please note that NVR Professional version DOES NOT support NVR Web Client.

Auto-Scan support list:

	Protocol					
	Visca		Kampro		Pelco-D	
	Preset Point	Auto Scan	Preset Point	Auto Scan	Preset Point	Auto Scan
ACM-8211	32	V				
ACM-8511	32	V				
CAM-5130			16	X		
CAM-5140			16	X		
CAM-5150			16	X		
CAM-5500			16	X		
CAM-6100					32	X
CAM-6200					32	X
CAM-6500					32	X
CAM-6600					32	X
	Protocol					
	Pelco-P		VCL		EyeView-V1	
	Preset Point	Auto Scan	Preset Point	Auto Scan	Preset Point	Auto Scan
ACM-8211						
ACM-8511						
CAM-5130						
CAM-5140						
CAM-5150						
CAM-5500						
CAM-6100	32	V	32	X		
CAM-6200	32	V			32	X
CAM-6500	32	V				
CAM-6600	32	V				
	Protocol					
	EyeView-V2		DynaColor			
	Preset Point	Auto Scan	Preset Point	Auto Scan		
ACM-8211						
ACM-8511						
CAM-5130						
CAM-5140						
CAM-5150						
CAM-5500						
CAM-6100						
CAM-6200	32	V				
CAM-6500			32	V		
CAM-6600			32	V		

Version Notice:

1. NVR v2.1 Beta 0: v2.1.08
2. NVR v2.1 Beta 1: v2.1.18
3. NVR v2.1 Formal: v2.1.26 (v2.1.26.04 updated on Feb. 22, 2008)
4. NVR v2.1 Patch 1: v2.1.27 (v2.1.27.04 updated on Mar. 7, 2008)
5. NVR v2.1 Patch 2: V2.1.28 (V2.1.28 updated on Mar. 27, 2008). This patch only valid for NVR v2.1.27.
6. NVR v2.1 Patch 3: v2.1.30 (v2.1.30 updated on May. 8, 2008).
7. NVR v2.2 Beta 0: v2.2.05 (v2.2.05 updated on Jun. 26, 2008)
8. NVR 2.2 Beta 1: v2.2.10 (v2.2.10 updated on Aug. 22, 2008)
9. NVR 2.2 formal release v2.2.28 (updated on Nov.9, 2008)
10. NVR 2.2 SP1 v2.2.34 (updated on Jan.09, 2009)
11. NVR 2.2 SP2 v2.2.47 (updated on Jul.03, 2009)
12. NVR 2.2 SP3 v2.2.57 (update on May.21, 2010)

Version	Description
Beta	Beta release for selected customers
Formal	Formal release to public with major update
Patch	Bug fixes. Release every 1 to 1.5 months
Service Pack	New functions with minor version update

Important Notes on NVR v2.2 Installation

If your PC has previously installed older versions of NVR or Activator, please check the list below for installation procedures. **For 64-bit NVR, there are no formal versions before SP3, so you should just install directly or uninstall your trial version then install SP3.**

Condition	Installation
Fresh Installation	Install directly
NVR v2.2 (Beta/formal/Sp1/SP2) Installed	Condition 1
NVR v2.1 series Installed	Condition 1
NVR v2.0 series Installed	Condition 2
Activator v1.3/v1.4 Installed	Condition 3

- **Condition 1: (NVR v2.1 series & NVR 2.2 Beta0 、Beta1 、Beta2, formal, SP1, SP2)**

1. Backup database using Backup Wizard (please use the latest version from web site or from the Utility folder in bundled Autorun CD)
2. Uninstall old NVR
3. For Enterprise Server user , please install NVR v2.2 SP3 Enterprise Server first , then install NVR v2.2 SP3 Workstation
For Enterprise Workstation user, please install NVR v2.2 SP3 Workstation
For Professional user, please install NVR v2.2 Professional SP3
4. Your database will be automatically converted to the new version. You do not need to restore database now. The backup files are for safekeeping purposes only.
5. Register your NVR License again with your license key if your system has more than 16 channels

- **Condition 2: (NVR v2.0 series)**

1. Backup database with Backup Wizard (please use the latest version from web site or from the Utility folder in bundled Autorun CD)

2. Uninstall NVR v2.0 series (clicking uninstall in Control Panel -> Add/Remove Application -> Software -> NVR v2.0)
3. For Enterprise Server user, please install NVR v2.2 SP3 Enterprise Server first , then install NVR v2.2 SP3 Workstation.
For Enterprise Workstation user, please install NVR v2.2 SP3 Workstation
For Professional user, please install NVR v2.2 Professional SP3
4. Restore database using Backup Wizard (note that only camera setup table will be restored.)
5. Register your NVR License again with your license key if your system has more than 16 channels

● **Condition 3: (Activator v1.3/v1.4 series)**

1. Database is not compatible with NVR v2.1. Previous recording and camera information will be lost after upgrade.
2. For Enterprise Server user , please install NVR v2.2 SP3 Enterprise Server first , then install NVR v2.2 SP3 Workstation
For Enterprise Workstation user, please install NVR v2.2 SP3 Workstation
For Professional user, please install NVR v2.2 Professional SP3
3. Update NVR License if you already have the NVR License key to allow more than 16 channels.

* You should delete previous recordings manually after upgrading from Activator V1.3/1.4 to NVR 2.2. Otherwise NVR 2.2 will NOT have enough hard drive capacity to record.

● **Important Note:**

1. Users must use the same version on both server and workstation
2. NVR 2.2 SP2 only support under 1TB storage disk, does not support hard disk size up to 3.5 TB. It will cause the files are unable to be deleted when NVR starts to execute the Recording Delete rule. Therefore , if customer used the NVR 2.2 SP2 and hard disk is more than 1TB, it is possible to have the disk full problem , then user needs to delete the recording files manually first.
3. Does not recommend to remove SQL server if you want to upgrade your NVR server.

4. After upgrading to NVR 2.2 sp3, NVR 2.2.sp3 will keep the previous data automatically, please do not use Backup Wizard to restore your previous logs into NVR 2.2 sp3, otherwise NVR cannot search the previous data since the SQL database format is not compatible with NVR v2.2 older version.
5. NVR 2.2.sp3 must have IIS installation and setting in the PC, please install IIS and follow the NVR 2.2 User Manual to configure IIS manually.
6. CMS 1.0 Alpha/Beta is not compatible with NVR v2.2 sp3. If you have CMS 1.0 Alpha or Beta installed, please do not upgrade NVR to NVR v2.2 sp3. NVR v2.2 sp3 will be compatible with CMS 1.0 formal version.
7. Restore/backup database, please use the latest version Backup Wizard from ACTi web site or get it from bounded NVR workstation.
8. User must use the same version on NVR server and workstation. For example, install both NVR sp3 enterprise server v2.2.57.49 and NVR sp3 enterprise workstation v2.2.57.49 on your system.
9. Only support 32bit Internet Explorer (even in Windows 64bit OS)

Important Notes on SQL Express Installation

NVR requires SQL to function. Please follow the instruction below to install your SQL Express 2005 SP3

PC Status	SQL Version	Action
SQL already installed	Other than 2005 Express SP3	Update SQL to 2005 Express SP3 by downloading from Microsoft
	2005 Express SP3 installed by customer for other uses	Install NVR 2.2 SP3. Provide your own login password for Login ID "sa", or use Windows Authentication
	2005 Express SP3 installed by Previous NVR	Install NVR 2.2 SP3.
No SQL Installed	N/A	Install NVR 2.2 SP3. Installer will automatically install SQL 2005 Express SP3

Note:

SQL 2005 Express SP3 that is compatible with NVR v2.2 sp3 and CMS v1.0 can't be installed on Windows XP Professional SP2. Please upgrade your XP version to XP Professional SP3.

Important Notes on Windows 7/Vista Environment

1. Please update all Windows patches and hot-fixes before installing ACTi NVR
2. When installing NVR v2.2 series on Windows 7 or Vista environment, please use following mechanisms to make sure the installation can complete successfully
 - a. Login Windows 7/Vista account needs to have Administrator rights
 - b. If the account does not have UAC (User Account Control) disabled, NVR Installation will disable it automatically.

Note that this will require a reboot computer operation. After the computer come back with UAC disabled, please start Autorun and install NVR v2.2 again.

c. Or turn off UAC (User Account Control) manually before installation (Please refer to “Disable Windows Vista UAC” section in Users Manual for details)

Port Usage in NVR System

	Workstation		Web Client	
	Local	Remote	Local	Remote
HTTP Port	x	v	v	v
Port 6001	x	v	v	v
Port 6002	x	v	v	v
Port 6005	x	v	v	v
port 6006	x	v	v	v
Port 8001	x	v	v	v
SQL TCP Port	x	x	x	x
SQL UDP Port	x	x	x	x

*If the device protocol was RTP, it will need to add streaming service and schedule service into windows firewall setting.

*Do not need SQL port anymore. Both of web client and workstation need IIS and port setting in NVR v2.2 sp3 or above.

* Please note that NVR Professional version DOES NOT support NVR Web Client.

NVR v2.1 New Features

NVR v2.1 New Features		
System		
	Operating System	Vista Enterprise and Vista Business
NVR System		
	Change Port	User may change HTTP, Streaming, Control and Message Engine Ports
Preview		
	16-Channel Preview	Supports 16-Channel D1@30 FPS with 1.5 Mbps preview
	Support Megapixel MPEG-4	Digital Zoom function
	Preview Window	New titlebar on ActiveX Control design
	Auto Logon	Auto logon and load first preview layout
	Auto-Frame (Advanced)	Auto drop frame. Like what Milestone does.
	Supports Intel IPP	Supports Intel IPP.
	Log Monitor	Logs user operation
Recording		
	Support Megapixel	May record in Megapixel MPEG-4 resolution
	Manual Record	Supports Manual Record Will not write to database. Write to \$NVR\Recordings folder
Playback		
	Support Megapixel	Digital Zoom function
Setup		
	Setup procedure	Simplified setup procedure Target: 1-page only
	Camera Setup	Improve camera setup
	Schedule	Improve scheduler setup
PTZ Control		
	New Protocol	Panasonic, Mintron
	Absolute Position	Supports absolute position on CAM-6520, CAM-6620 Dynacolor protocol
Event Handling		
	Event Panel on NVR Workstation and NVR Web Client	Displays events on NVR Workstation and NVR Web Client
eMap		
	PTZ Support	Supports Mouse PTZ under video preview mode
	Resizable Preview Window	User may resize the preview window. When click on the active window, it will start full frame rate preview
	eMap on NVR Workstation	Display eMap on NVR Workstation
Remote Function		
	Remote Preview	Web Client (Basic) version. 1)At login prompt, user may select 2) (Basic) version or 3) (Advanced) version to login
Permission Control		
	Quad, PTZ Permission	Permission for Quad and PTZ operation
	Event Panel Permission	Permission for event panel.
System		
	SQL 2005	SQL 2005 Porting

NVR v2.2 New Features

NVR System		
Beta0	Supports ACTi New Products	PTZ Camera (ACM-8511/ACM-8211), 35x IP Speed Dome (CAM-6630)
Beta0	Supports MJPEG / H.264	Supports MJPEG and H.264 recording and playback
Formal	Supports new OS	Supports Windows XP SP3 and Windows Vista SP1
Beta0	Strong security protection	Strong security protection on password
Formal	Install new SQL 2005	May install to a system containing existing SQL Server 2005 Express or SQL Server 2005 already
Beta1	Auto upgrade	Upgrade to NVR v2.2. No need to backup / restore database
SP1	Supports RTP/RTSP	Supports RTP/RTSP connection from cameras
SP1	Adds support to Quad video server	Add support to ACD 2000Q with motion detection and video settings
SP2	Support CMS	Support CMS
SP2	Supports new O.S	Support Vista Ultimate and Windows 2008 Server Enterprise
SP2	SQL 2005 service pack	Install shield include SQL 2005 sp3
SP2	Host name support	Support host name
SP3	Support new OS	Support Windows 2008 Server Standard, Support Windows7 Professional
SP3	IE	Support IE7 and IE8, not in IE6
SP3	Storage	Support iSCSI interface
SP3	Connection	Workstation connect to NVR server over NAT(router)
SP3	Protocol	Support device stream with HTTP Protocol
SP3	Dual stream	Support dual stream device
SP3	OSD	OSD display on live view and playback with FPS and camera name
SP3	About Us	Technical support, knowledge base and NVR download link in about us
SP3	32bit and 64bit OS support	Support both 32bit and 64bit OS
Setup		
SP3	Export path	Default export path configurable
SP3	PIR	Support device that have PIR function
SP3	Manual Record Duration	Setting for manual record duration
SP3	Motion Region Configure	Selection for showing motion region on display in ActiveMonitor
SP3	Camera Model Update	Provide camera model update function
SP3	Default layout	Configure default layout for auto login
Live View		
Beta0	Supports MJPEG/MPEG-4/H.264	Supports MJPEG/MPEG-4/H.264 live view
Beta1	Add support to 64-channel Live View	User may select 49, 64-channel live view
Beta0	Add support to maintain image aspect ratio by click CTRL+F6	User may click CTRL+F6 to toggle maintain image aspect ratio. Video is stretched to full window by default

Formal	Enhanced Digital PTZ operation	Enhanced digital PTZ operation
SP2	System monitor enhancement	Search system log in system monitor System log can be exported by users
SP3	New Event Alarm	Alarm in event panel when 1. Disk space under reserve space 2. network loss between NVR server and client
SP3	Event status	Event status on camera tree
PTZ Control		
Beta0	Supports 35x IP Speed Dome	Supports CAM-6630
Formal	absolute position	Enhanced algorithm to make it more accurate
Recording		
Beta0	Supports MJPEG/MPEG-4/H.264	Supports MJPEG/MPEG-4/H.264 recording
SP1	Support Manual Record	Supports Manual Record on NVR Server and the recorded files can be searched with ActivePlayer
Playback		
Beta0	Supports MJPEG/MPEG-4/H.264	Supports MJPEG/MPEG-4/H.264 playback
Formal	Enhanced Digital PTZ operation	Enhanced digital PTZ operation
Formal	Enhanced Speed Control	Enhanced speed control on fast forward mode (x2 and x4 speed). This only works on NVR Workstation running on the same machine of NVR Server
Formal	Snapshot when pause video	User may create snapshot when pausing the video
Formal	Export to AVI with MJPEG payload	Export to AVI using MJPEG payload. Users do not need to install FFDSHOW anymore. User may use Windows Media Player to play the AVI file directly
SP2	Export to AVI with H.264 format	Export to AVI using H.264 payload. Users do not need to install FFDSHOW anymore. User may use Windows Media Player to play the AVI file directly
SP3	Device raw file	Support device saved raw file while event happen
SP3	Frame by Frame	Frame by frame playback with remote connection
SP3	Snapshot Download	Support snapshot download

NVR v2.2 Function Mapping Table

		NVR Workstation		NVR Web Client	
Condition	Running with NVR Server	Yes	No	Yes	No
ActiveMonitor	Manual Snapshot	\$Desktop\NVR_Data\Manual Snapshot\Channel<ID>_<YYYYMMDDHHMMSS_MS>_M.jpg/bmp			
	Manual Record	\$NVR\Recordings\Channel<ID>\Channel<ID>_<YYYYMMDDHHMMSS>_M.raw			
	Event-> Snapshot	\$NVR\Recordings\Channel<ID>\Channel<ID>_Shot<YYYYMMDDHHMMSS>.jpg/bmp			
	Event-> Play audio file	v	v	N/A	N/A
	Event Panel	v	v	v	v
	Talk	v	v	v	v
	Broadcast	v	v	v	v
ActivePlayer	Play frame-by-frame	v	v	v	v
	Local Record	v	v	v	v
	Manual Snapshot	v	v	v	v
	Search Manual Record	v	v	v	v
	Search Snapshot	v	v	v	v
	Export to AVI Directly	v	N/A	NA	N/A
	Open File then export to AVI	v	v	N/A	N/A
ActiveMap	Full Function	v	v	v	v
Active Setup System	Storage Management	v	v	v	v
	Service	v	N/A	v	N/A
	License	v	N/A	v	N/A
	Language Export/Import	v	v	NA	NA
Active Setup Camera	Full Function	v	v	v	v

Active Setup Map	Map Setup Button and Functions	v	N/A	N/A	N/A
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* Please note that NVR Web Client advanced mode support 2-way audio (1-to-1 only).

Enhancements

1. Add support to 64-channel in tree-directory
2. Add support to 1, 2, 4, 8-channel video server and entry-product line products
3. Add support to dual-monitor. User may display 2 Active Monitor on 2 monitors
4. Add Full-Screen Mode (shortcut key F12) on Active Monitor
5. Add pre-defined layout and patrol on pre-defined layout
6. Add mouse PTZ function
7. Add PTZ OSD operation
8. Add unlimited sets of PTZ patrol
9. Add customized PTZ command
10. Add support to 32 preset position
11. Add support to USB Joystick and COM Port control panel
12. Add continuous, schedule, event and motion recording
13. Add time-base search bar
14. Add export recording clip to AVI option
15. Add recording while playback an archive
16. Add 4-channel synchronous playback mode
17. Add Snapshot Viewer
18. Add eMap viewer with map tour
19. Add eMap auto-live view mode
20. Add event handling on eMap Viewer
21. Add event trigger PTZ preset position function
22. Add NVR Web Client, providing remote live view, remote search and remote playback
23. Add support to different frame rate selection on live view, continuous recording, event recording, and schedule recording and remote live view. User may setup 30 FPS for live view and 6 FPS for recording and 3 FPS for web client live view
24. Add auto detect, search add, import function on camera setup
25. Add support to pop-up window / hot-spot window on event handling
26. (v2.0.22) Add support to multicast mode
27. (v2.0.22) Enhances on Camera Tree user interface. User may click on icon or camera name.

28. (v2.0.22) Enhances on Search and Add function in Camera Setup.
29. (v2.0.22) Add support to auto detect via Streaming Engine
30. (v2.0.22) Enhances on Streaming Engine efficiency. The total operating time can be reduced to half
31. (v2.0.22) Add wrong camera date/time notification. This is done in camera setup and live view. If the camera date/time is 10 days older than current PC date/time, then a message will notify user, and user may click to synchronize the date/time in camera firmware.
32. (v2.0.22) Add support to playback operation. When a file plays to an end, user may click on next button to open next file directly.
33. (v2.0.22) Add pre-defined layout in NVR Web Client. Only display the pre-defined layout with layout window smaller than 9 windows.
34. (v2.0.22) Add mouse PTZ in NVR Web Client. PTZ control is also related to permission control setting.
35. (v2.0.22) Improves the remote playback waiting time from 20 seconds to 5 seconds
36. (v2.0.22) Add support to Internet firewall deployment in NVR Web Client Login Screen. User has an option to choose NVR Server IP Address as default Streaming Engine in NVR Web Client login screen.
37. (v2.0.22) Add support to v2.0.18 version in Backup Wizard
38. (v2.0.22) Add Updated Language: Sweedish, Simplified Chinese, Traditional Chinese, Japanese.
39. (v2.0.30) Add Updated Language: Poland
40. (v2.0.30) Add Support to Messoa_Messoa-D PTZ protocol
41. (v2.1.01) Add support to Megapixel live view, recording and playback
42. (v2.1.02) Add support to new camera setup page
43. (v2.1.03) Add support to Panasonic, Mintron protocol
44. (v2.1.04) Add support to displaying events on NVR Workstation and NVR Web Client running on another machine
45. (v2.1.05) Add support to Mouse PTZ operation under eMap system
46. (v2.1.05) Add support to different preview window size under eMap system
47. (v2.1.06) Add support to eMap on NVR

48. (v2.1.06) Add support to NVR Web Client advanced mode. The look-and-feel and functionality is the same as NVR Workstation except USB Joystick to control PTZ function
49. (v2.1.06) Add support to user permission control on Quad and PTZ
50. (v2.1.06) Add support user permission control on event panel
51. (v2.1.07) Add support to https connection. User need to setup digital signature manually under Microsoft IIS server. Support package is available upon requests.
52. (v2.1.07) Add support to auto-logon with first preview layout loaded. User may use Ctrl+F10 hot key to disable the auto-logon mode.
53. (v2.1.07) Add support to 36 preview layout under NVR Web Client Advanced mode
54. (v2.1.07) Add support to auto-detect function during search and add operation under camera setup. When user uses “Search and Add” feature under Camera Setup, all related camera information will be auto detected and added.
55. (v2.1.07) Add support to page number under System Monitor.
56. (v2.1.08) Add support to download video archive function
57. (v2.1.09) Add support to digital zoom in Live View and Active Player
58. (v2.1.09) Add support to new video title bar. The title bar now contains camera ID, camera name and date time.
59. (v2.1.12) Add support to download file function
60. (v2.1.16) Add support to Windows Vista Business and Enterprise edition
61. (v2.1.26) Add support to auto-frame mode as default. When CPU loading exceeds 80% loading, decode frames will be dropped automatically.
62. (v2.1.26) Add local time support. NVR now records and search with the NVR PC time instead of camera’s time.
63. (v2.1.26) Add support Intel IPP decoder which fully optimized for Intel Core2Duo and Core2Quad platform
64. (v2.1.26) Add support to log monitor. User operation will be logged. Use System Monitor (under Active Monitor), click on user operation to check the operation
65. (v2.1.26) Add support to Manual Record under Active Monitor. Manual record function records video clips under local PC, and cannot be searched via NVR Server.
66. (v2.1.26) Add support to Absolute Position on CAM-6500/CAM-6600 with Dynacolor protocol
67. (v2.1.26) Add support to Mouse PTZ on Active Map Mini-preview mode

68. (v2.1.26) Add support to resizable window under Active Map viewer
69. (v2.1.26) Add support to Event Passing to NVR Workstation or NVR Web Client running on another machine
70. (v2.1.26) Add support to change ports on HTTP, Streaming Port, Control Port and Message Engine Ports
71. (v2.1.27) Improves digital zoom using mouse scroll wheel. User has to click left-mouse key with mouse scroll wheel at the same time in NVR v2.1.26
72. (v2.1.27) Improves date sorting on search video clips. Video clips will display with the most updated files on the top now.
73. (v2.1.27) Add file download function in event search of Active Player.
74. (v2.1.28) Add support to Dynacolor Pelco-P and Pelco-D protocol
75. (v2.1.28) Add support to Absolute Position on Dynacolor Dynacolor protocol
76. (v2.1.28) Add support to Eyeview Pelco-P and Pelco-D protocol
77. (v2.1.28) Add support to Messo Pelco-P and Pelco-D protocol
78. (v2.1.28) Add support to Digital Zoom when pausing playback
79. (v2.1.30) Add support to CAM-6630, ACM-8511, ACM-8211, ACM-7411, ACD-2300, ACD-2400
80. (v2.1.30) Change keep log days to 45 as default. Original default is 5 days.
81. (v2.1.30) Changes default value of "Get Video From NVR" to blank. Original default value is "localhost".
82. (v2.2.04) Add support to H.264 and MJPEG CODEC. User may operate live view, recording and playback on H.264, MPEG-4 and MJPEG now.
83. (v2.2.04) Add support to new time zone, including Newfoundland, Canada time zone and other time zone that is not integer
84. (v2.2.04) Add support to display video in proportional ration. User may use CTRL+F6 to toggle this function. Video display is stretched to the edge by default.
85. (v2.2.04) Add support to strong type (and random) password for database connection.
86. (v2.2.10) "Save & Reboot" button is added in NVR Camera Setup
87. (v2.2.10) Add support to Windows XP Service Pack 3
88. (v2.2.10) Enhance the scale of PTZ speed control to 1,3,5, instead of 1, 2, 3.
89. (v2.2.10) Improve installation process. For doing upgrade from NVR 2.1 series or later versions, user doesn't need to backup existing database beforehand.

90. (v2.2.10) Add support to EPL Multi-Channel video servers, including ACD2200, ACD2300 and ACD2400.
91. (v2.2.10) PTZ control function is improved to control directions by using direction marks on screen without keeping dragging, e.g. use +/- mark to zoom in/out.
92. (v2.2.10) Add support to Videotec_Macro and VIDO_B02 PTZ protocol.
93. (v2.2.19) Add Media Converter v2.0 (supports H.264/MJPEG & convert to AVI (with MJPEG)/ convert to multiple JPEG files)
94. (v2.2.19) Add Active Player v2.0
95. (v2.2.19) Add BackupWizard v2.0 (overcome 65536 records)
96. (v2.2.19) Manual recording Support Flush Time in Database
97. (v2.2.19) Installshield Logo / manual / Xcontrol / Utiltiy
98. (v2.2.19) Add FPS Percent [1 ~ 99 + MAX] in Camera Setup
99. (v2.2.28) Add Support ACD2000Q,TCM-4300
100. (v2.2.28) Active Player support *.mp4 file
101. (v2.2.28) media converter support *.mp4 file
102. (v2.2.28) When close the NVR, will not send "STOP" commend for PTZ.
103. (v2.2.28) Add Camera Name in mini-playback.
104. (v2.2.28) Add Camera Name in playback.
105. (v2.2.28) SQL Server new instance.
106. (v2.2.28) If original setting is recycle, then at restore time, change it to Keep Space (20 GB), and Delete (20 GB).
107. (v2.2.34) Support RTP/RTSP
108. (v2.2.34) Support Manual Record
109. (v2.2.34) Add es-LatinoAmerica language support
110. (v2.2.34) Add support ACD2000Q motion function.
111. (v2.2.34) Add support ACD2000Q motion and video setting.
112. (v2.2.34) The new install shield will prevent installation with not support OS and execute "disable UAC tool" automatically
113. (v2.2.34) Add DIO support of speed dome 65xx and 66xx series (FW v2.09.08 or later version)
114. (v2.2.35) Streaming engine support resize
115. (v2.2.35) Support with Mobile Explorer v2.1.03
116. (v2.2.35) Support CMS

- 117. (v2.2.47) Support host name
- 118. (v2.2.47) Support Vista Ultimate and Windows 2008 Server Enterprise
- 119. (v2.2.47) Support TCM5311 and TCD2500
- 120. (v2.2.47) Export to AVI with H.264 format
- 121. (v2.2.47) The RAW file size that is greater than 2G can be playback well
- 122. (v2.2.47) Install Shield included SQL 2005 SP3
- 123. (v2.2.47) Search system log in system monitor
- 124. (v2.2.47) System log can be exported by users
- 125. (v2.2.57) Support Windows 2008 Server Standard edition
- 126. (v2.2.57) Support Microsoft Internet Explorer v8.0
- 127. (v2.2.57) Support Windows 7 Professional edition
- 128. (v2.2.57) Support iSCSI storage
- 129. (v2.2.57) Support HTTP Protocol stream
- 130. (v2.2.57) Support dual stream device. Users can switch live view video for media 1 or media 2. It also provides selection for record stream from media 1 or media 2
- 131. (v2.2.57) Provide OSD on live-view and playback video with FPS and camera name.
- 132. (v2.2.57) Default export path is configurable in NVR workstation.
- 133. (v2.2.57) Support NVR workstation connect to NVR server over NAT/Router
- 134. (v2.2.57) Support devices that have PIR function. And execute and set PIR event as motion event.
- 135. (v2.2.57) Provide manual record duration.
- 136. (v2.2.57) Option for showing motion region on display in ActiveMonitor
- 137. (v2.2.57) Provide hyper link for technical support, knowledge base and NVR download in About Us.
- 138. (v2.2.57) Provide default patrol setting in auto login mode
- 139. (v2.2.57) Show event status on camera tree
- 140. (v2.2.57) Provide a new event alarm in event panel while storage reaches reserve space.
- 141. (v2.2.57) Provide a new event alarm in event panel while network connection is fail between NVR server and client.
- 142. (v2.2.57) Support frame by frame playback with remote connect
- 143. (v2.2.57) Save as default in login page to save login setting
- 144. (v2.2.57) Pop-up event message when event trigger
- 145. (v2.2.57) Support “Delete all Channels” on camera setup

- 146. (v2.2.57) Automatically check IIS and have a notice to ask user to install IIS manually if they do not have IIS in the PC which will install NVR server.
- 147. (v2.2.57) Save as default for current login setting
- 148. (v2.2.57) Add “View Cameras with IP Utility” on NVR AutoRun menu
- 149. (v2.2.57) Provide a function to update latest language in login page.
- 150. (v2.2.57) Add a new connection type named “Get Video from Current NVR”. It will use your login setting (IP, account, password...) as NVR setting.
- 151. (v2.2.57) Playback for device saved raw file while event happen
- 152. (v2.2.57) Users can search recorded file which began before the selected time period.
- 153. (v2.2.57) Add the time zone info of NVR server in the title bar of player video (live view/playback).
- 154. (v2.2.57) Download for Snapshot image
- 155. (v2.2.57) Provide switch for open or close event panel and PTZ control panel in ActiveMonitor
- 156. (v2.2.57) Support RTP protocol IP Camera
- 157. (v2.2.57) Provide camera model update setting in system setup page to update the latest camera model support into NVR. The function only supports in NVR Workstation.
- 158. (v2.2.57) Cameras beyond available memory will show yellow light instead of green light in live view. These channels will not be displayed in live view but will still be recorded according to schedule and event.
- 159. (v2.2.57) Support both 32bit and 64bit OS

Modify

1. (v2.1.27) Remove support on multicast function
2. (v2.2.04) Remove support to serial port communication on PC. User cannot use analog keyboard connecting to PC via serial port to control speed dome on the remote site. User can only use IP Joystick to perform this task.
3. (v2.2.04) Remove Install Service function in Service tab
4. (v2.2.19) Remove support for ACD-3100 and other decoders , including SED-3200
5. (v2.2.19) Remove Decoder when device search in Camera Setup
6. (v2.2.19) Remove 1 fps option when "constant" frame rate and "Get Video from Device"
7. (V2.2.28) Remove “recycle recording” option
8. (v2.2.34) Remove com port from joystick setting
9. (v2.2.47) Change the max size of frequency of flush record file from 2 hour to 1 hour. Also change the max size of post-event recording buffer from 2 hour to 1 hour.
10. (v2.2.47) Remove HUE adjustment from camera setup page.
11. (v2.2.47) The first setup page when open ActiveSetup changes to camera setup.
12. (v2.2.57) Automatically change to decode I frame mode in live view while sever performance is up to 80%.
13. (v2.2.57) UI enhancement
14. (v2.2.57) Change the name of “REC” button on media control panel of ActivePlayer to “Local Rec”. Note: The local record file will not be searched.
15. (v2.2.57) Support hard disk size up to 3.5TB.
16. (v2.2.57) USB joystick only supports in NVR Workstation
17. (v2.2.57) Modify the display format of event trigger to pop-up windows
18. (v2.2.57) Change camera delete rule. Remove “Delete all log records” and “Delete all files”, and add “Delete all configuration, logs and recorded files”
19. (v2.2.57) Audio mute while doing motion setting and PTZ preset setting.
20. (v2.2.57) Change the button name which located in basic setting and video quality setting of camera setup from “Load Default” to “Reset”
21. (v2.2.57) Remove “Load Default” from connection port setting
22. (v2.2.57) Remove language export and import function on NVR web client
23. (v2.2.57) Remove “Import” and “Copy” function from auto add new camera
24. (v2.2.57) Dwell time can be manually inputted by user defined.

25. (v2.2.57) Change camera copy setting rule. Remove “Connection Type” and “Connection Information” Add “Connection Setting” and “Camera Model” setting. Users also can add new device from this.
26. (v2.2.57) Inactivate "Cleanup Space" and "Reserve Space" when user chooses "Keep days" delete rule.
27. (v2.2.57) Do not need SQL port anymore. Both of web client and workstation need IIS and port setting.
28. (v2.2.57) Administrator will be granted authorization with all camera groups and can't be canceled.
29. (v2.2.57) Users need to enable snapshot function first in Action panel if want to attach snapshot in the email or upload snapshot to FTP in the event manager setting page.
30. (v2.2.57) Add a check box named "Display Camera ID on eMap Viewer" on eMap Setup to have option for display camera id on eMap viewer.
31. (v2.2.57) System will check disk space before execute “Export” function. If disk space is smaller than 4G, NVR will not allow for exporting
32. (v2.2.57) Display the record type i.e. Schedule, DI, Motion, Manual (not just WithStreaming) as selected in the search result
33. (v2.2.57) Change the file name format for exported files. For example, CHANNEL8_20091112114009.raw→CHANNEL8_20091112114009_EX.avi
34. (v2.2.57) Disable snapshot, email attached snapshot, and upload snapshot to ftp while the following events happen i.e. video loss, video recovery, network loss and network recovery
35. (v2.2.57) The used time for live view is the time in local PC. The used time for search and playback is the time in NVR server.
36. (v2.2.57) Export file or log can browse to select the folder you want to be saved.
37. (v2.2.57) The default path for export, manual snapshot, and local record are changed to \$Desktop\NVR_Data
38. (v2.2.57) The default audio setting will be mute on when play a new channel or file in ActiveMonitor and ActivePlayer.
39. (v2.2.57) User can only pause, stop and stop local record in playback control panel while click “Start Local Record. And the local record file will be 1x recorded file.
40. (v2.2.57) System will snapshot for a file, upload snapshot to FTP for one time and email attached snapshot to recipient separately if MD1, MD2 and MD3 are triggered at the

same time and set event trigger to action for snapshot, upload to ftp and email attached snapshot.

41. (v2.2.57) The format of recording path only allows for alphabets, numbers, underscore and dash.
42. (v2.2.57) No camera in camera tree or delete all cameras, all page in camera setup will be invisible except Camera page.
43. (v2.2.57) Before click “Apply” button when manual add device or click “Add New Camera when auto add device, all page in setup camera will be invisible except Camera page.
44. (v2.2.57) Double click on specific channel in camera tree of ActivePlayer will play latest record video automatically. Click on specific channel in camera tree of ActivePlayer will search recorded record and display on time base bar.
45. (v2.2.57) Only Camera Model is selected, and then Frame Rate Setting, Video Adjustment and Video Setting can be checked in Copy Setting of Camera Setup.
46. (v2.2.57) Change the name of “Stream Mode” to “Protocol” in camera setup page.
47. (v2.2.57) Do not support local record function while sync playback
48. (v2.2.57) Support URI path while setting RTP protocol in setup camera page
49. (v2.2.57) Remove Joystick setting page in web client
50. (v2.2.57) Disable Search and Snapshot Viewer function while sync playback mode
51. (v2.2.57) Users will have “No Group” permission in default and can’t be disabled.
52. (v2.2.57) Remove “Refresh” button neared layout drop down list in the ActiveMonitor. Refresh layout list, please click on “Refresh” button under camera tree in the ActiveMonitor.
53. (v2.2.57) Modification for sync playback
54. (v2.2.57) Rename “Add” to “Insert” in Language setup. Rename “Delete” to “Remove” in Language setup.
55. (v2.2.57) Change the name of Keep Space(GB) to Reserve Space(GB) in storage management page.
56. (v2.2.57) Change the tab name from “License Registration” to “Online Registration” in license page. Change the tab name from “Machine Key” to “Offline Registration” in license page.

- 57. (v2.2.57) Only the first triggered event will have beep or play audio if there are 2 different channels that set event trigger to beep or play audio file and event triggered at the same time.
- 58. (v2.2.57) Remove Alarm Setup page. When DI trigger, NVR will check video and pass event to event panel or do event trigger directly while the channel has set schedule for record.
- 59. (v2.2.57) The file format of PTZ file must be .ptz file
- 60. (v2.2.57) Disconnect the manual recording channel will also stop to manual record
- 61. (v2.2.57) The live view video will be mute and the audio setting will be disable when doing sequence patrol.
- 62. (v2.2.57) PTZ file setting only supports in NVR workstation.
- 63. (v2.2.57) Don't allow empty in all columns of Camera page.
- 64. (v2.2.57) Disable search file and snapshot viewer function while no camera existing.
- 65. (v2.2.57) Modify motion setup. Click "Get Motion Setting" to sync with device and browse the trigger status as user setting. After get motion setting and connect successfully, user can configure motion setup and PIR setting.
- 66. (v2.2.57) Move RTSP port column from advanced setting of camera page to basic setting. If the protocol is not RTP, RTSP port column will be invisible.
- 67. (v2.2.57) Rename the check box from "Motion" to "Motion and PIR" at Time search bar, Search record file, and Snapshot viewer in ActivePlayer. Check on the box and search motion and PIR event.
- 68. (v2.2.57) Video decoder can't be added in NVR
- 69. (v2.2.57) Click on "Refresh" button in ActiveMonitor will refresh camera tree/camera setting, layout and motion setting
- 70. (v2.2.57) The saved login setting (e.g. auto login...) in web client are saved as IE cookie. The saved duration will be 7 days. If users don't login NVR with web client in 7 days, and then the saved login settings will not be existed any more.
- 71. (v2.2.57) The preset name can't be empty when set preset point in PTZ Preset page.
- 72. (v2.2.57) Copy camera setting to other device will not change its camera group setting. Copy camera setting to a new device, then the camera group of the new device will be No Group.
- 73. (v2.2.57) Enhance database restore mechanism when database connection error

Bug Fix

1. (v2.0.22) Fixes VGA resolution issue. When live view on VGA resolution with firmware A1D-220-V3.03.07-AC, the video image will have wave effect on the video.
2. (v2.0.22) Fixes different frame rate setting. User may now set different frame rate for live view, record, event record, and remote connection
3. (v2.0.22) Fixes control panel via serial port issue. User may connect analog control panel via serial port (RS-232) and operate correctly.
4. (v2.0.22) Fixes Dynacolor PTZ protocol hangs issue.
5. (v2.0.22) Fixes CAM-6200 adjust focus issue.
6. (v2.0.22) Fixes remote mouse PTZ on CIF and QCIF resolution.
7. (v2.0.22) Fixes Export AVI issue. The issue was: Export AVI file will fail (100 MB size, slow motion, and fast motion) under some frame rate mode.
8. (v2.0.22) Fixes recording setting issue. The issue was: When a camera is deleted, the recording setting will not be removed accordingly.
9. (v2.0.22) Fixes Active Player linkage to Active Map issue. The issue was: When clicking Active Map under Active Player interface, it does not work.
10. (v2.0.22) Fixes Event Manager issue. The issue was: DI event triggers pop-up window does not work.
11. (v2.0.23) Fixes License Manager issue. The issue was: When importing Activation Key into License Manager under off-line mode does not work.
12. (v2.0.24) Fixes display issue with firmware 3.05.04.
13. (v2.0.25) Fixes DI event trigger bug
14. (v2.0.25) Fixes USB Joystick doesn't stop when connecting CAM-6500
15. (v2.0.25) Fixes long waiting time when login into Web client. The wait time is about 20 second
16. (v2.0.25) Fixes ViewLayout bug: under 10-ch window pattern, 2 channels display in incorrect position
17. (v2.0.25) Fixes eMap setup bug: under eMap setup, camera tree only displays 24 channels to select when there are 64 channels at same group
18. (v2.0.25) Fixes Search Device bug: User may now click on the camera id to select the camera as well
19. (v2.0.25) Fixes Web Client blank page issue

20. (v2.0.25) Fixes PTZ protocol bug: user may now select Pelco-P type 1 / type2
21. (v2.0.26) Fixes PTZ Joystick doesn't work point 17 ~ 32 bug
22. (v2.0.27) Fixes Stop Fail, Zoon in/ Zoon out doesn't stop by Joystick bug
23. (v2.0.27) Fixes recorder crash bug. This bug might happens when running with Streaming Engine
24. (v2.0.28) Fixes Camera Group cannot be setup over 20 groups bug. Current maximum number is 300
25. (v2.0.28) Fixes Account Setup cannot be setup over 20 groups bug. Current maximum number is 300
26. (v2.0.29) Fixes permission control on Snapshot action under ActivePlayer interface
27. (v2.0.29) Fixes Motion Setting fail under Quad TCP1.0. This bug does not exist under Quad TCP 2.0 firmware
28. (v2.0.29) Fixes Language :Export / Import Fail
29. (v2.0.29) Fixes translation error under "Camera page" in French language. Some translation contain the keyword used in HTML; and these wordings have been replaced with official HTML wordings
30. (v2.0.29) Fixes Translation : Search page doesn't translate via Web client
31. (v2.0.29) Fixes volume icon fail : adjust volume fail from web client.
32. (v2.0.31) Fixes preview EPL Device in 1-windows issue
33. (v2.0.31) Fixes on-mouse-over bug in active-map.
34. (v2.1.02) Fixes recording schedule that cannot be selected with 1 slot. User may now uses double-click to select 1 slot in recording schedule
35. (v2.1.05) Fixes eMap cannot be executed on NVR Workstation running on another machine
36. (v2.1.07) Fixes right mouse key bring up menu function. When user use right-mouse key, he is able to bring up menu function and view the source code. Right-mouse key is disabled
37. (v2.1.15) Fixes event not passing to event panel on NVR Workstation running on another machine.
38. (v2.1.16) Fixes EPL multicast issue. EPL products include product model starting with ACM, ACD. For MPL multicast mode, please upgrade to firmware v2.07. MPL products include product model starting with SED, CAM.
39. (v2.1.26) Fixes login page cannot type "localhost" issue

40. (v2.1.26) Fixes issue when adding device to NVR, the device's configuration did not bring to NVR correctly
41. (v2.1.27) Fixes ActiveScheduleService crashes issue. This might affect reliability on recording engine
42. (v2.1.27) Fixes ActiveEventManager error issue. This might affect message passing to other clients
43. (v2.1.27) Fixes pre-event time recording issues.
44. (v2.1.27) Fixes layout patrol crashes issue.
45. (v2.1.27) Fixes database not synchronize when backup data from NVR v2.0.31, and upgrade to NVR v2.1.26. After restoring data, user might not be able to use live view function in another machine using NVR Workstation or NVR Web Client. Please refer to Trouble Shooting section in QIG for related procedures to fix this manually.
46. (v2.1.27) Fixes title-bar cannot display Japanese characters issue.
47. (v2.1.27) Fixes talk functions from PC side to device audio broken via streaming engine issue.
48. (v2.1.27) Fixes wrong FPS mode under variable frame rate mode and megapixel cameras
49. (v2.1.27) Fixes camera Import function issue in v2.1.26
50. (v2.1.28) Fixes digital zoom function not valid under Active Player
51. (v2.1.28) Fixes search schedule recording records issue; this fix will also display older recording clips that are recorded under continuous recording mode in NVR v2.0.30. This issue only occurs when user backup data from NVR v2.1.30 and restore to NVR v2.1.27
52. (v2.1.28) Fixes PTZ OSD STOP command issue. OSD STOP won't work under Dynacolor protocol
53. (v2.1.28) Fixes PTZ Speed Control issue. PTZ speed is not correct under Dynacolor protocol
54. (v2.1.28) Fixes 8-channel video server support in manual add device function
55. (v2.1.30) Fixes DST (Daylight Saving Time) issue
56. (v2.1.30) Fixes Web Client cannot export AVI issue.
57. (v2.1.30) Fixes issue that under Storage Management, default value (number of days) does not show up
58. (v2.1.30) Fixes OSD operation issue under Pelco-P and Pelco-D protocol

59. (v2.2.04) Fixes remote playback play rate issue. This fixes abnormal play speed under certain mode: TCP 1.0, TCP 2.0 variable frame rate mode.
60. (v2.2.04) Fixes remote playback startup too slow issue. When user starts a remote playback, it takes at least 10 seconds to start playing video. This version fixes this issue and can play instantly.
61. (v2.2.04) Fixes camera tree drag-n-drop issue. When user tries to drag a camera, it might become a selection operation.
62. (v2.2.04) Fixes the problem of failing in copying camera setting on Web Client.
63. (v2.2.04) Fixes the bug of failing in saving joystick configurations.
64. (v2.2.04) Fixes the speed issue of playing AVI files converted from MPEG-4.
65. (v2.2.10) Re-add support to TCP 1.0 device.
66. (v2.2.19) Fixes ACM5711 get resolution fail.
67. (v2.2.19) Fixes Event setup "0" second, Play audio file still playing when event trigger.
68. (v2.2.19) Fixes Account setting: the character over spec. doesn't apply normally.
69. (v2.2.19) Fixes Export field text overlaps with below text. (Because add warning message).
70. (v2.2.19) Fixes Wrong spelling in Active Setup. Active Setup > Setup Camera > Schedule, click on "Copy Channel Setting" but without choosing any camera, then "Apply", it appears "Pleace Select Gamera".
71. (v2.2.19) Fixes NVR doesn't support MT53S88 / AD53S88 profile to set (ACM5711)
72. (v2.2.19) Fixes SED6620P get Resolution fail when do Get Device Setting
73. (v2.2.19) When Production ID is "ACD2000Q" then disable quad operation
74. (v2.2.19) When Production ID is "ACD2000" then disable quad operation
75. (v2.2.19) When Encoder Type is "MJPEG" remove Motion Detection Setup
76. (v2.2.19) NVR 2.2 DOES NOT Support TCM4300 Video Setting (only preview , recording from Device setting)
77. (v2.2.19) Getting Camera name from Device "Hostname" PS : The title name of web is video camera name
78. (v2.2.19) under Constant 30fps , recording 1fps that must connect via SE
79. (v2.2.19) ACM5711 get resolution fail , because doesn't add profile MT53S88 / AD53S88

80. (v2.2.19) NVR 2.1.30: schedule → special day → script error when click column "year" or "month".
81. (v2.2.19) Professional: Streaming Engine icon only shows "1" on toolbar of desktop.
82. (v2.2.28) Fix the issue that sending multiple URL command fail via Streaming Engine.
83. (v2.2.28) Motion Setup: region number is fault.
84. (v2.2.28) Web client will be crash (basic mode).
85. (v2.2.28) Motion setup doesn't save to FW flash.
86. (v2.2.28) Pop up '970 Invalid argument' when playback a recording file.
87. (v2.2.28) Add a new channel by search Device fail.
88. (v2.2.28) Ctrl_F10 doesn't work on System Setup.
89. (v2.2.28) Patrol or scan function doesn't work when closed Active Monitor.
90. (v2.2.34) Layout, Preset, Tour, PTZ setup : Doesn't keep setup after turn page
91. (v2.2.34) Fix ACD2000Q and TCM4301 channel setup fail and can't setup video quality
92. (v2.2.34) Modify bit rate information in camera tree
93. (v2.2.34) Upgrade from NVR 2.1.30 to 2.2.28 cause login fail
94. (v2.2.34) Digital zoom can't properly work in Active Player
95. (v2.2.34) Fix DIO of speed dome 65xx, 66xx do not support in NVR
96. (v2.2.34) Modify the setting of admin permission to setup permission of admin can't be deleted
97. (v2.2.34) Fix the problem that web client in NVR server professional can't login NVR server enterprise
98. (v2.2.34) Fix baudrate setting can't be properly set.
99. (v2.2.34) Fix the problem that delete "no group" which is default camera group in NVR will cause id link error (maybe some channel will lose forever)
100. (v2.2.34) Fix the problem that ACM8511/8211 run autoscan, the motion was locked
101. (v2.2.34) Fix mouse PTZ function with ACM8211
102. (v2.2.34) Fix the problem that
103. (v2.2.34) Fix Quad device has no QCIF resolution in ActiveSetup
104. (v2.2.34) Fix TCM4300 "FPS" doesn't setup normally. It always shows "MAX"
105. (v2.2.34) Fix the bit rate of TCM4300 can't be set normally from 3M to 6M
106. (v2.2.35) Record until disk full
107. (v2.2.35) Auto Login can't get first layout
108. (v2.2.35) Upgrade issue from v2.2.28 to v2.2.34
109. (v2.2.35) E-map live view do not work
110. (v2.2.35) FPS error when camera set in PAL mode
111. (v2.2.47) Login with advance mode can't run properly.
112. (v2.2.47) Change frame setting in T platform to frame ratio
113. (v2.2.47) Support QVGA with T platform

- 114. (v2.2.47) Fix ftp and snapshot do not work in v2.2.34
- 115. (v2.2.47) Preview a channel with audio for few days, then AP crash
- 116. (v2.2.47) The recorded files playback in ActivePlayer does not consist with the original file in time length
- 117. (v2.2.47) No IRIS stop command will be sent when release the IRIS On/Off button
- 118. (v2.2.47) Live view with RTP protocol will suddenly disconnect and reconnect
- 119. (v2.2.47) Upgrade NVR will not keep eMap files, language setting and manual snapshot files
- 120. (v2.2.47) Preview the channels for a long time, and then see the video loss or network loss
- 121. (v2.2.47) Recording fail when network was interrupted for a period
- 122. (v2.2.47) Streaming engine suddenly appear run time error
- 123. (v2.2.47) Streaming engine and ActiveControl might have memory leak.
- 124. (v2.2.47) ActiveMonitor will suddenly crash when preview layout
- 125. (v2.2.47) Patrol for a period of time might cause channel loss
- 126. (v2.2.47) Change the max bitrate setting for platform T from 3M to 6M
- 127. (v2.2.47) Change frame rate setting to frame ratio in T platform.
- 128. (v2.2.47) RTP channel suddenly disconnect and reconnect
- 129. (v2.2.47) Fix map patrol fail
- 130. (v2.2.57) Fixed the issue that the exported video clip might have audio and video not sync (except H.264)
- 131. (v2.2.57) Fix manual record indicator
- 132. (v2.2.57) Recording gap while event trigger continuously
- 133. (v2.2.57) Pre-event does not work
- 134. (v2.2.57) Randomly searched file can't be played
- 135. (v2.2.57) Fix the wrong time in GMT -5.
- 136. (v2.2.57) Fix the login NVR Workstation problem. When using "Standard Account" instead of windows Administrator account, then user will not be able to login with NVR workstation (Active Setup, Active Player...etc).
- 137. (v2.2.57) Fix the Auto-login function cannot work
- 138. (v2.2.57) Fix the Active Player cannot find previous recording logs that record by NVR 2.2 SP2.
- 139. (v2.2.57) Fix the "Next File" button always show "Cannot find next file" in Active Player
- 140. (v2.2.57) Fix the manual record function does not work sometimes.
- 141. (v2.2.57) Fix bugs for sync playback
- 142. (v2.2.57) Fix snapshot viewer does not work in NVR v2.2 sp2
- 143. (v2.2.57) Fix map link function in eMap

144. (v2.2.57) Click on time base bar in ActivePlayer, system will play video from the clicked time point.

145. (v2.2.57) If input camera name with not English or numeric and apply in the NVR workstation, it might have error.

Limitation

1. NVR Workstation has to run in the same network segment with NVR Server.
2. When you want the remote user to login NVR with web-page, you need to open certain ports and change settings on VISTA /XP environment. Please refer to Quick Installation Guide for details.
3. (v2.0.22) The connection will not establish if the network protocol type setting is different in NVR Server and camera. For example, if you set TCP protocol in NVR Server but Multicast in camera, the connection will fail.
4. (v2.0.22) If you open many channels at the same time, say 36 channels, some preview channel might not display due to timeout on slow connection. Please open that camera live view manually. Note that the recording will be executed correctly.
5. (v2.0.30) Event panel does not tell the exact channel video loss on Quad Video Server
6. (v2.1.18) Storage manager does not work properly with IE v6.0 SP1. Please update to IE v6.0 SP2
7. (v2.1.26) Does not support multicast mode
8. (v2.1.26) When setup map pictures, NVR Workstation needs to run on the same machine as NVR Server
9. (v2.1.26) Use CTRL+F9 to hide left panel does not work under NVR Web Client → Active Player
10. (v2.1.26) At login prompt, if NVR IP Address or Hostname is not reachable, NVR system will hang about 40 seconds for timeout
11. (v2.1.26) At camera setup page, if IP device IP Address or Hostname is not reachable, NVR system will hang about 40 seconds for timeout
12. (v2.1.26) At camera setup page, selecting Get Video from NVR, user has to input IP address of the NVR; user cannot use hostname in that field
13. (v2.1.26) Frame-by-frame playback only works when NVR Workstation running on the same machine as NVR Server
14. (v2.1.26) When using “Get Device from NVR” mode, when user use Talk function to send audio from PC to device, the audio quality will be bad. Note that under the same condition, the audio from device to PC runs properly.
15. (v2.1.26) Under Windows Vista, the service icon will not be displayed in the icon tray.
16. (v2.1.26) Under “Get Device from NVR” mode, getting motion detection status under TCP 1.0 fails
17. (v2.1.26) When user’s mouse focus on camera tree display, when user hit BACKSPACE key, camera tree display will becomes “page not found”. Use “refresh” button to refresh the camera tree display again, or stop then start application again
18. (v2.1.26) Active Map patrol may generate a script error after a long time. After user

click to close the script error message box, the system may continue to function properly. If it continues showing this script error, please close Active Map application and re-start it again.

19. (v2.1.26) Please make sure network bandwidth is enough for NVR Web Client Advanced Mode. If network bandwidth is not enough, some user interface pictures cannot be loaded correctly.
20. (v2.1.26) When using NVR Web Client under Windows Vista environment for the first time, please make sure the account login to Window Vista has rights to register ActiveX Control; or disable UAC settings in the client machine. Please refer to Quick Installation Guide / Trouble Shooting Chapter / Disable Windows Vista UAC section.
21. (v2.1.27) Streaming Engine will only stream 1 I-Frame via Variable Frame Rate. So, when user selects 5 frames via Streaming Engine, they might just see 1 frame.
22. (v2.1.27) CAM-6500/CAM-6600 Pelco-P protocol speed 3 to 5 are the same
23. (v2.1.27) Playback might be faster than actual speed under Variable Frame Rate mode using Streaming Engine. Playback a local file (using Open File function, with Variable Frame Rate but without Streaming Engine) will be correct.
24. (v2.1.27) When press Backspace key under Active Monitor, it will display "Page not found" error
25. (v2.1.27) Please restart computer after restore data using BackupWizard
26. (v2.1.27) Please check "Camera Model" and "Production ID" field in Active Setup → Camera Setup function after restoring data using BackupWizard. If these fields are blank, please select a correct value for it or click "Get Device Setting" button to retrieve correct device information
27. (v2.1.27) If you enter an invalid IP Address, then the system will hang about 40 seconds on Login page and "Get Device Setting" function under ActiveSetup → Camera Setup page.
28. (v2.1.27) Event "Network Loss" and "Network Recovery" does not display correctly in Event Panel. "Network Recovery" event will be displayed in Event Panel after a period of time.
29. (v2.1.27) Active Monitor → PTZ Control Panel → When click on PTZ patrol function then click on Scan function, PTZ will work on patrol only. Please click stop button before next operation.
30. (v2.1.27) Active Player → when using Export AVI function (of the same file) for the second time, it will display an error message.
31. (v2.1.27) When open local file after executing 4-channel synchronized playback, the file playback operation will be wrong.
32. (v2.1.27) NVR does not support 4800 baud rate, Pelco-D protocol when connecting to CAM-6500/CAM-6600 series. Please set it to Pelco-P / 9600 baud rate or Dynacolor

protocol / 9600 baud rate.

33. (v2.1.30) Does not support set preset and goto preset position with ACM-8511 and ACM-8211. Please upgrade to firmware v2.09 to solve this issue.
34. (v2.1.30) Under certain situations, Web Client playback might play video after 10 seconds.
35. (v2.2.10) The process time of applying new setting would probably take 10 seconds.
36. (v2.2.10) When system firewall is enabled, user has to manually set UTP protocol 6005/6006.
37. (v2.2.10) When convert video clip into AVI file, Active Player might hang for a while. For 10 minutes video clip (100MB), the application might hang for 4 minutes. This will be resolved in NVR v2.2 Formal release or use Media Converter v2.0 to avoid this issue.
38. (v2.2.19) NVR 2.2 DOES NOT Support TCM4300 Video Setting (only preview , recording from Device setting)
39. (v2.2.19) Setup TCM4300 doesn't get a correct Video Quality setting
40. (v2.2.28) Patrol might cause video cannot display (after 3 days)
41. (v2.2.28) NVR Professional : Streaming Engine icon only shows "1" on toolbar of desktop
42. (v2.2.28) Patrol might cause video cannot display when using TCM-4300 and SED-2320Q.
43. (v2.2.28) ACD-2000Q, under quad mode, camera setup can only finds 1 camera name.
44. (v2.2.28) ACD-2000Q, Motion detection is not work.
45. (v2.2.28) NVR will use the minimum IP address in the machine.
EX: if have two IP address 59.xx.xx.xx/172.xx.xx.xx, it will be use the 59.xx.xx.xx one.
46. (v2.2.28) Failed to export video clip of H.264 file.
47. (v2.2.28) There are some symbols which are the special-purpose symbols of SQL, forbid users to input in the NVR. (Ex: (') \ (?) \ (*) \ (_) \ (%) \ (&) \ (\$) \ (()) \ ([]) \ (,) \ (:) \ (*) \ (.))
48. (v2.2.34) NVR 2.2/2.1 can't properly search the all channels under Multi-channel machine (2300/2400) , you have to search again to setup.
49. (v2.2.34) Preview one channel with audio for a long time, and then disconnect , the sound was probably kept about 10~ 15sec
50. (v2.2.34) Do not support ACD2000Q auto login
51. (v2.2.34) DIO function of speed dome 65xx and 66xx series just work at FW v2.09.09 or later version
52. (v2.2.34) Do not support speed dome 65xx, 66xx alarm to preset function in NVR,
53. (v2.2.34) SED2320Q with audio in RTP mode might cause NVR recording fail and system crash

54. (v2.2.34) See the screen of live View shows region number and overlap when user do ACD2000Q motion setting
55. (v2.2.34) MJPG doesn't support 30fps to 1fps for preview or recording , because no I frame
56. (v2.2.34) Event manager can't set more than one item. You must set a event item at one time.
57. (v2.2.34) RTP connection need more time to get video about 6-10 second
58. (v2.2.34) RTP mode with TCM4300 will probably cause system disconnect
59. (v2.2.34) Streaming method cannot auto change to "RTP" or "TCP" when you add a channel by Search Device. You must set the parameter manually in each channel setup.
60. (v2.2.47) For SP2 installation, if the NVR version you installed is v2.2.34 or prior version, please make sure you have removed NVR workstation before you remove NVR server.
61. (v2.2.47) The download size can't exceed 2G for IE limit.
62. (v2.2.47) If you need to do ftp function, please make sure the ftp folder has been created.
63. (v2.2.47) Recording path in storage management can not contain any of the following characters : [/ : * " < > |]
64. (v2.2.47) Platform T with FW 4.04.06 in NVR will have fps display error in camera setup page
65. (v2.2.47) Storage priority setting in storage management will not change immediately, system will record until the original priority 1 disk full. If user wants the storage priority change immediately, please delete the original priority 1 disk from the record disk list.
66. (v2.2.47) After configure your motion setting, system will save the setting to device and the process will need more time to sync. Please wait a moment, and restart NVR web client or NVR workstation.
67. (v2.2.47) For the file that is recording, NVR will not allow user to do export
68. (v2.2.57) NVR v2.2 sp3 must have IIS installation and setting before using NVR.
69. (v2.2.57) Do not support export function in web client.
70. (v2.2.57) If the device protocol was RTP, it will need to add streaming service and schedule service into windows firewall setting or disable firewall.
71. (v2.2.57) Please do not remove record drive when NVR is running, remove it will have potential risk.
72. (v2.2.57) SQL 2005 Express SP3 that is compatible with NVR v2.2 sp3 and CMS v1.0 can't be installed on Windows XP Professional SP2. Please upgrade your XP version to XP Professional SP3.

73. (v2.2.57) CMS 1.0 Alpha/Beta is not compatible with NVR v2.2 sp3. If you have CMS 1.0 Alpha or Beta installed, please do not upgrade NVR to NVR v2.2 sp3. NVR v2.2 sp3 will be compatible with CMS 1.0 formal version.
74. (v2.2.57) When streaming type set to RTP, and change the payload (e.g. mpeg4 to H.264) and preview will cause network loss, but it will reconnect after a while.
75. (v2.2.57) The schedule recording will separate to two recorded files when the recording time is across a day. The recording which is event with streaming will be stopped when crossing a new day and will not continue to record if there is no event trigger after that.
76. (v2.2.57) The CPU loading of manual recording is up to 50%
77. (v2.2.57) Limited by Windows Operating System to 10 concurrent, incomplete outbound TCP connection attempts at Windows XP Professional.
78. (v2.2.57) When users change camera related settings (camera setting, PTZ setting, motion setting), they must click “Apply” BTN to make the camera setting effective and also save to device. At this time, device might save and reboot for few minutes.
79. (v2.2.57) If you open a raw file with browsing and take snapshot manually, the snapshot file will always be .jpg format.
80. (v2.2.57) Mini-playback time and event time in event panel might not be matched for few seconds.
81. (v2.2.57) Please get device setting first and make sure you see the live view of camera before changing the camera configuration or add a new channel.
82. (v2.2.57) System (backup wizard) will not backup or restore license in NVR. After upgrading or reinstalling, please re-activate license key.
83. (v2.2.57) If the importing language file that come from NVR v2.2 sp2, it might have some wrong translation at few wording in NVR v2.2 sp3. For example, symbol “ < ” might have problem.
84. (v2.2.57) If you set Alarm1 event and Alarm2 event in the same channel, event log will only display “Alarm” in system monitor
85. (v2.2.57) The minimum monitor resolution that NVR supports is 1024x768
86. (v2.2.57) English language can’t be deleted in language setup page
87. (v2.2.57) FTP server must support and enable passive mode while setting event trigger to send snapshot to ftp.
88. (v2.2.57) The wording of title and context only support English in email setting of event manager
89. (v2.2.57) If switched quad mode to single mode in ACD2000Q, a live view channel will have video loss in the 2nd, 3rd, and 4th channel. Otherwise, if switched single mode to quad mode, the 2nd, 3rd, and 4th channel will have video recovery
90. (v2.2.57) If NVR service is running, but can’t connect to database at the time, and then it will not get record drive. At the scenario, system will use last recorded setting for

record drive. If no last recorded setting exists, NVR service will stop automatically until get setting.

91. (v2.2.57) It will have problem for select language and click “enter” with keyboard in NVR workstation
92. (v2.2.57) The supported storage for NVR must be local disk.
93. (v2.2.57) After changed streaming port and control port, you must 1. Restart schedule service and streaming service 2. Check and add it in the firewall setting 3. Restart NVR
94. (v2.2.57) If you are viewing a video at ActiveMonitor/ActivePlayer/eMapView and then modify the configuration (e.g. PTZ, motion...) in ActiveSetup, please refresh/restart the page after configuration.
95. (v2.2.57) If the user that login Windows wasn't administrator or not in the administrator group. And Then the user can't install NVR Server and NVR Workstation, it will deny access.
96. (v2.2.57) If users enabled “Mail” and select the recipient in Event Manager. And then change the “email address” of selected recipient, NVR will remove the selection of the recipient in Mail setting of Event Manager. You must go back to Event Manager to select the recipient again, and then click “apply to use the new setting.
97. (v2.2.57) When Administrator configures Event manager/Email setting and chooses the recipient, if the email address of the recipient is the same as other users, then checking this recipient will also link to notification settings for other users.
98. (v2.2.57) If OS is in sleep/standby mode, it will interrupt network connection. In the scenario, NVR will not work even NVR service is still running.
99. (v2.2.57) “OSD Off” and “Leave” BTN in PTZ function might be not work because not all devices has this command in protocol file.
100. (v2.2.57) Please reopen ActiveSetup in NVR workstation or refresh webpage in web client after updating camera model.
101. (v2.2.57) If users add a new device and never get device setting/get motion setting and click “Apply”, they will not see motion region in live view video even “Show Motion Region in ActiveMonitor” is enabled.
102. (v2.2.57) NVR might have problem when IE is in offline mode if you connect with web client.
103. (v2.2.57) Uninstalling NVR Workstation will not remove workstation settings which included login setting (e.g. auto login, language setting) and default export path setting.