

Release Notes

Product: ACTi NVR Server

Version: v2.2 SP2 (v2.2.47 .0703)

Release Date: Jul. 03, 2009

PC specification:

1. Suggestions on PC specification: (for NVR Server, NVR Workstation and NVR Web Client)
 - 16 Channel: Intel Core 2 Duo 2.4 GHz, 4GB Memory, 250 GB HDD, Gigabit Ethernet, nVidia GeForce 9500GT 512MB RAM or above
 - 32 Channel: Intel Core 2 Duo 2.66 GHz, 4 GB Memory, 250 GB HDD, Gigabit Ethernet, nVidia GeForce 9500GT 512MB RAM or above
 - 48 Channel: Intel Core 2 Quad 2.66 GHz, 4 GB Memory, 250 GB HDD, Gigabit Ethernet, nVidia GeForce 9500GT 512MB RAM or above
 - 64 Channel: Intel Core 2 Quad 2.66 GHz, 4 GB Memory, 250 GB HDD, Gigabit Ethernet, nVidia GeForce 9500GT 512MB RAM or above
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:
 - Windows XP SP3, Windows 2003 R2 , XP Pro
 - Windows Vista Business Edition, Enterprise Edition and Ultimate Edition with SP1
 - i. Not support with Windows Vista Home Edition
 - Does NOT support Windows 2000 both on Server side and on Client side
 - Does NOT support 64-Bit Windows XP/VISTA/2003
 - Please make sure all hot fix and service pack are patched
4. Supported Browser:
 - Microsoft Internet Explorer v6.0 SP2, Microsoft Internet Explorer v7.0 SP1
 - Please make sure all service pack are patched
5. Supported CPU processor:
 - Intel Core2Duo / Core2Quad CPU
 - Does not support with AMD chip

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)

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

When you install NVR v2.2 Formal or NVR v2.2 Service pack on a PC, the procedure might be different in different conditions (according to Operating System and if there's any NVR currently installed). Please refer to below table to find your condition and follow below instruction to install NVR.

PC Condition	Operating System			
	Windows XP SP2	Windows XP SP3	Windows 2003 SP2	Windows Vista Business (SP1)/ Enterprise (SP1)
New Install	v	v	v	v
NVR v2.2 SP1 Installed	Condition 1	Condition 1	Condition 1	Condition 1
NVR v2.2 formal Installed	Condition 1	Condition 1	Condition 1	Condition 1
NVR v2.2 Beta 2 Installed	Condition 1	Condition 1	Condition 1	Condition 1
NVR v2.2 Beta 1 Installed	Condition 1	Condition 1	Condition 1	Condition 1
NVR v2.2 Beta 0 Installed	Condition 1	Condition 1	Condition 1	Condition 1
NVR v2.1 series Installed	Condition 1	Condition 1	Condition 1	Condition 1
NVR v2.0 series Installed	Condition 2	Condition 2	Condition 2	Condition 2
IP Control Center v1.3/v1.4 Installed	Condition 3	Condition 3	Condition 3	Condition 3

- **Condition 1: (NVR v2.1 series & NVR 2.2 Beta 0 、Beta1 、Beta2, formal release, SP1)**
 1. Backup database using Backup Wizard
 2. Install NVR v2.2 SP2
 3. Restore database using Backup Wizard
- **Condition 2: (NVR v2.0 series)**
 1. Backup database using Backup Wizard
 2. Uninstall NVR v2.0 series (clicking uninstall in Control Panel -> Add/Remove Application -> Software -> NVR v2.0)
 3. Install NVR v2.2 SP2
 4. Restore database using Backup Wizard (note that only camera setup table will be restored.)
- **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. Install NVR v2.2 SP2

* Previous recordings are needed to be manually deleted after an upgrade is made from IP Control Center V1.3/1.4 to NVR 2.2. Or NVR 2.2 WON'T have enough hard drive capacity to record.

Important Notes on SQL Express Installation

SQL Condition	SQL 2005 isn't installed	SQL 2005 installed
SQL 2005 Express installed	Condition 2	Condition 2
SQL 2005 Express isn't install	Condition 1	Condition 1

- **Condition 1:**

1. Install NVR

- **Condition 2:**

1. Input original ID / Password of SQL 's database (SA)
2. Install NVR

Port Usage in NVR System

	NVR Workstation		NVR Web Client	
	Yes	No	Yes	No
Running with NVR Server	Yes	No	Yes	No
Control Port: 6001	Do not need to setup	Yes. Need to setup	Yes. Need to setup	Yes. Need to setup
Streaming Port: 6002	Do not need to setup	Yes. Need to setup	Yes. Need to setup	Yes. Need to setup
Message Port: 8001	Do not need to setup	Yes. Need to setup	Yes. Need to setup	Yes. Need to setup
HTTP Port: 80	Do not need to setup	Yes. Need to setup	Yes. Need to setup	Yes. Need to setup
SQL TCP Port: Dynamic (Please refer to Quick Installation Guide)	Do not need to setup	Yes. Need to setup	Do not need to setup	Do not need to setup
SQL UDP Port: 1434	Do not need to setup	Yes. Need to setup	Do not need to setup	Do not need to setup

* 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
SP2	SQL 2005 service pack	Install shield include SQL 2005 sp3
SP2	Host name support	Support host name
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
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

NVR v2.2 Function Mapping Table

Condition	Running with NVR Server	NVR Workstation		NVR Web Client	
		Yes	No	Yes	No
Active Monitor	Manual Record	\$RECORDINGS\Channel<ID>* .RAW	\$NVR\IP Control Center\Recordings\Channel<ID> >*.RAW	\$RECORDINGS\Channel<ID>* .RAW	C:\Recordings\Channel<ID>*.R AW
	Snapshot	\$RECORDINGS\Channel<ID>* .JPG	\$NVR\IP Control Center\Recordings\Channel<ID> >*.JPG	\$RECORDINGS\Channel<ID>* .JPG	C:\Recordings\Channel<ID>*.J PG
	Event -> Play audio file	v	not working	not working	not working
	Event Panel	v	v	v	v
	Talk	v	v	N/A	N/A
	Broadcast	v	v	N/A	N/A
Active Player	Play frame-by-frame	v	disabled	disabled	disabled
	Manual Record	\$RECORDINGS\Channel<ID>* .RAW	\$NVR\IP Control Center\Recordings\Channel<ID> >*.RAW	\$RECORDINGS\Channel<ID>* .RAW	C:\Recordings\Channel<ID>*.R AW
	Snapshot	\$RECORDINGS\Channel<ID>* .JPG	\$NVR\IP Control Center\Recordings\Channel<ID> >*.JPG	\$RECORDINGS\Channel<ID>* .JPG	C:\Recordings\Channel<ID>*.J PG
	Search Manual Record	N/A	N/A	N/A	N/A
	Search Snapshot	N/A	N/A	N/A	N/A
	Export to AVI directly	v	N/A	N/A	N/A
	Open File then Export to AVI	v	v	v	v
Active Map	Full Function	v	v	v	v
Active Setup - System	Storage Management	v	v	v	v
	Service License	v	hide	hide	hide
Active Setup - Camera	Full Function	v	v	v	v
Active Setup - Map	Map Setup Button and Functions	v	hide	hide	hide

* Please note that NVR Web Client advanced mode support 2-way audio (1-to-1 only).

Important Notes on Windows Vista Environment

1. NVR 2.2 series supports Windows Vista Business, Enterprise and Ultimate edition
2. Please update all Windows Vista patches and hot-fixes before installing ACTi NVR
3. When installing NVR v2.2 series on Windows Vista environment, please use following mechanisms to make sure the installation can complete successfully
 - a. Login Windows 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 manually before installation (Please refer to “Disable Windows Vista UAC” section in Quick Installation Guide for details)

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 / Utilitiy
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
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

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.

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

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) DDNS setting do not support domain name
57. (v2.2.34) Event manager can't set more than one item. You must set a event item at one time.
58. (v2.2.34) RTP connection need more time to get video about 6-10 second
59. (v2.2.34) RTP mode with TCM4300 will probably cause system disconnect
60. (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.
61. (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.
62. (v2.2.47) The download size can't exceed 2G for IE limit.
63. (v2.2.47) If you need to do ftp function, please make sure the ftp folder has been created.
64. (v2.2.47) Recording path in storage management can not contain any of the following characters : [/ : * " < > |]
65. (v2.2.47) Platform T with FW 4.04.06 in NVR will have fps display error in camera setup page
66. (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.
67. (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.
68. (v2.2.47) Recording disk does not support USB HDD or DVD-R/RW
69. (v2.2.47) For the file that is recording, NVR will not allow user to do export
70. (v2.2.47) Snapshot viewer mini-playback can't work

Bundled Utility

	Backup Wizard	Media Converter	IP Utility	Streaming Explorer	Archive Player
Supported	v	v	v	v	v
Version	V2.0.13	V2.1.11	V3.5.20	V2.0.02	V2.1.03