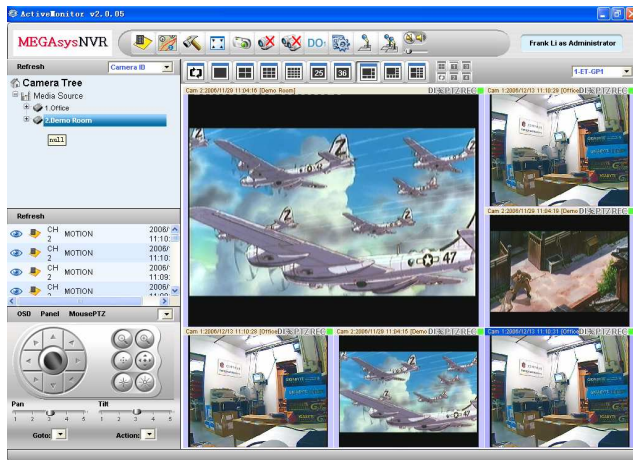




MEGAsys NVR Server



- Manages up to 36 cameras with tree-directory display.
- Supports 1, 4, 6, 8, 9, 10, 16, 25, 36 windows layout.
- ISO 14496-2 MPEG-4 Video + Audio Format.
- Customizable logo and user interface.
- Multiple-channel preview in full-screen mode.
- Support dual monitor and host-spot window.
- Continuous, Schedule, Motion, Alarm Recording.
- Hardware motion detection and Digital I/O event handling.
- Maximum 25 seconds pre-event recording.
- Expandable PTZ commands.
- Search video clips by date, time and event.
- Time-based search bar.
- Multiple-channel synchronized playback.
- eMap Manager.
- Remote Preview / Playback via MEGAsys NVR.

Digital Video Surveillance Functions

MEGAsys NVR manages up to 64 cameras in a tree-directory panel; user may arrange camera groups into pre-defined window layout, and pop the window layout onto full screen mode with a single click or a user-defined hot key. With dual-monitor support, user may display two functions among preview, playback or eMap manager to have full visibility from different aspects of the surveillance system. When an event occurs, event handler alerts security manager by switching the channel to the hot-spot window, playing audio file and flashing on the border of the window, security manager then need to acknowledge the event by clicking on the button in the event list window.

User may deploy recording plan with continuous, schedule, alarm and motion recording mechanism; the recorded video clips can then be searched with channel, date, time, event or browse with a time-based search bar; after certain video clip being located, video clips from multiple channels can be organized together and played synchronously. User may operate video clips with play, pause, stop, reverse play, fast forward, fast rewind and frame-by-frame actions with functions to add bookmark, create snapshot or export video to an AVI file.

Expandable PTZ commands

MEGAsys NVR supports various PTZ protocols, including Evertech Pelco-P, Pelco-D, Lilin, Dynacolor, TOA, Kampro, EyeView, VideoTrec, Sony VISCA, Panasonic, GE Kalatel, etc.

User may add new PTZ protocols by themselves or download the PTZ protocols from web site.

Hardware motion detection and digital I/O event handling

Hardware motion detection is supported and user may set 3 individual regions of interest and sensitivity. An event will be triggered when a motion detection event or digital input event occurs. Maximum 25 seconds pre-event recording time can be set prior to a motion detection or digital input event occurs.

Events handling including trigger digital output, request speed dome to turn to a present position, play audio file, beep on the PC, send snapshot via E-mail and send snapshot to FTP site.

Customizable user interface – create your own NVR Server

MEGAsys NVR server provides several ways for users to customize and create their own application.

User may change logo, title bar, about us dialog box and icon; furthermore, the color scheme, look and feel, layout can be customized. User may even add or remove part the functions from current application.



PRODUCT SPECIFICATION

System Requirement		PTZ Control	
PC Spec	Pentium D 3.0GHz, 945 Chipset, 800 FSB, 1GB Memory, 80GB HDD	PTZ Management	Manages pan, tilt, zoom operation with speed control
Operating System	Windows 2000, Windows XP, Windows 2003, WSS2003	Protocol Supported	Pelco-P, Pelco-D, Lilin, Dynacolor, Samsung, Kampro, Sony VISCA, Panasonic, GE Kalatel protocol supported
Browser	Microsoft Internet Explorer v6.0+	Preset Position	Goto, set, clear preset positions and patrol on preset positions
Preview		Preset Position Number	16
Maximum Number of Camera	64	PTZ Patrol	Patrol preset positions with user-defined dwell time
Window Layout	1, 4, 6, 8, 9, 10, 16, 25, 36	PTZ Pattern	Execute speed dome pattern command
Tree Display Panel	User may use drag-n-drop to drag a video source to the layout manager for preview	Expandable PTZ Command	User-defined PTZ command to support additional PTZ protocols
Web Client	Microsoft Internet Explorer v6.0 remote video preview	Mouse PTZ	On-screen 8-direction PTZ operation with mouse operation. This can be run under full-screen mode as well
Patrol Mode	Switches and displays each preview window accordingly. Pre-defined layout can be set to patrol mode as well	IP Joystick on PC	Connects joystick on the PC via USB port to control speed dome directly
2-Way Audio	Supports 2-way audio. User may have 1-to-1 or 1-to-many audio broadcast to multiple devices at the same time.	Control Panel on PC	Connects control panel on the PC via COM port to control speed dome directly
Create Snapshots	Create snapshot images on-the-fly and as an event index for search later on	Event Handling	
Advanced Preview Mode	Maximum 36-channel preview at the same time with different frame rate adjusted automatically	Event Types	Handles motion detection, alarm, video loss, network disconnect events
Layout Manager	Setup pre-defined window layout to group certain cameras in the same layout. Layout manager can be displayed in full-screen mode.	Event Acknowledgement	Event will need to be acknowledged by security operator
Hot-Spot Window	The channel with an event will be switched to the hot-spot window. 2nd monitor can be defined as hot-spot window.	Trigger Digital Output	Triggers digital output when a certain event (digital I/O or motion detection) occurs
Recording		Hot-Spot Window	Activate and switch the channel with event to the hot-spot window. The original video in the hot-spot window will then be switched over.
Format	Standard ISO-14496-2 MPEG-4 Video+Audio format. Compatible with FFmpeg, XviD, DivX	Pop-up Window	Mini-preview window will be pop-up when event occurs. Pop-up window will be dismissed when user-defined dwell time elapsed or security operator click on the "Acknowledge" button.
Schedule Recording	Record video with user-defined schedule and time period	Event Log	Triggered event will be recorded into a event log
Alarm Recording	Record video when a digital input event is triggered	E-Mail Notification	E-Mail notification with captured snapshot
Motion Recording	Record video when motion detected	FTP Notification	FTP captured snapshot to the FTP server
Pre-event Recording	User-defined time period to record before a certain event occurs. Maximum 25 seconds.	Play audio file	Play user-defined audio file or beep on the machine
Post-event Recording	User-defined time period to record after a certain event occurs. Default 5 minutes.	Send PTZ Command	User-defined PTZ command will be executed. The channel operating PTZ command can be different to that of the channel with event.
Watermark*	Digital time code embedded from hardware	Execute Command	User-defined execution command will be executed.
Storage Manager		eMap	
Number of Drives	Supports up to 23 drives in one single machine	eMap Manager	eMap configuration and management
Keep Certain Days	The video clips will be kept for certain days according to user-defined value	eMap Monitor	Creates alarm when an event occurs on a certain camera in eMap
Recycle Recording	The oldest video clip will be overwritten when the disk reaches its minimum space requirement	Preview-All Mode	With this mode, all cameras in the associated map will be displayed with QCIF @ 1FPS preview. When double-click on the preview window, the original video window will be brought up with its original resolution and frame rate
Total Space Management	When total space reaches its minimum space requirement, certain space will be clean up. The oldest files will be removed first.	eMap Patrol	Maps can be patrolled and displayed one by one with user-defined dwell time.
Playback		Remote Function	
Mode	Play, Pause, Stop, Fast Forward, Fast Rewind, Play Backward, Play frame by frame, 1/2/4/8x Speed Control	Remote Preview	May connect to NVR or MEGAsys CMS to run remote preview
Play Multiple Files *	Play multiple files in sequence for a period of time	Remote Playback	May connect to NVR or MEGAsys CMS to run remote playback
Create Snapshots	Create snapshot images on-the-fly and can be searched as an event	Permission Control	
Export Video	Export a period of video clips into one AVI file	3-level Permission	Administrator, Standard User, Guest levels
Synchronous Playback	Multiple-channel synchronous playback at the same time	Security	Account/password defined with associated permission control
Search		Camera Group Permission	User may setup the permission between user account and the camera group
Time Sequence Search	Search video clips with date, time, channel	eMap Permission	User may setup the permission between user account and eMap layer
Event Search	Search motion detection, digital input, bookmark, snapshot event with specified date, time, channel	* The features will be implemented in later released bundled application	
Thumbnail Image Search *	Search video clips with thumbnail image previews		
Status Event Search	Search events on video loss / recovery, network disconnect / reconnect, user login / logout, database log with specified date, time, channel		
Time-based Search Bar	The recording and events are displayed with a time-bar		