DigiView

Introduction: Apollo has expanded the functionality of its enterprise class solutions by adding a digital video module. Integration with access control and system provides such benefits as: video and alarm association, pre-alarm recording, events reports with associated video data, and ability to control all systems from the same user interface. Apollo APACS security system software now supports 4/8/16-camera digital video recorders and provides easily scaleable solutions for systems from four to hundreds of cameras. Apollo DVR features frame rates of up to 240FPS, audio recording, and inexpensive and easily expandable storage.

Integration: Events from all sub-systems are displayed via one user interface.

Events from the video system are displayed via the same security management interface as events from access control and alarm systems. *DigiView system events: Video Motion Detection, Video Signal Loss, and Auxiliary Alarm Inputs*.

Video system events are treated in the same manner as all other events. They appear on the graphic maps and have to be acknowledged by operators. It is possible to link automatic reactions, like playing sound files or controlling relay outputs with events from the video system.

Control all systems from the same user interface.

DigiView control window is fully integrated with APACS software and features the following manual functions: start and stop recording, select camera, pan-tilt-zoom, start sequence, export snapshot, switch between cameras, select prepositions, multiplexed view, video clip playback, export part or complete video clip, export snapshot.

Automatic links between events and DVR functions.

Some of the actions, like starts and stop recording, export snapshot and select preposition may be executed automatically or triggered by security system events.

More informative event reports

Another important benefit of integration is ability to link video clips and system events. This is an excellent tool in incident investigations, when a simple click on alarm event brings up the associated video recording. Since DigiView also features pre-alarm recording the system users get complete information on what happened before, during and after alarms.

Loaded with useful features

Other feature configurable is the multiplexed view, where operators can easily configure how many cameras they want to see simultaneously, sequencing, video recording schedules based on time zones from the APACS software. High capacity local storage and the possibility to expand using inexpensive external USB drives or network storage.

Apollo offers 4 standard DigiView DVR configurations:

DigiView-4 – 4 cameras DVR
DigiView-8 – 8 cameras DVR
DigiView-12 –12 cameras DVR
DigiView-16 – 16 cameras DVR

Frame rate in standard solutions is limited to 120FPS and divided by the number of video inputs. Apollo also offers Enterprise level DigiView DVR with the 240FPS frame rate.

DigiView DVRs are based on highly reliable Dell Optiplex workstations:
Processor: Intel Pentium 4 (2.4 GHz or higher processor)
Memory: 512MB PC2700 DDR SDRAM
Backup: CD-RW
Network: Ethernet 10/100/1000 NIC
Operating System: Windows 2000 Professional
Internal storage: 80GB - 400 GB
External: USB 2.0 external storage modules supporting up to 6TB of local storage per server

Specifications:

Resolution (NTSC), Live Display	320 X 240 / 640 X 480 / l6oxl2o
Recording Mode Supported	Circular (FIFO)
Compression	MPEG-4
Video Inputs	4/8/12/16
Video Outputs Supported	One composite / S-Video output (optional)
Alarm Inputs	4/8/12/16 (optional)
Remote Access	LAN, WAN, Internet (via TCP/IP)
Pan/Tilt/Zoom Control	PTZ connects to the DVR via an external RS-232 to RS-485 adapter (optional)

Maximum Frames Per Second Recording (NTSC):	**320 X 240 Resolution (Normal)**	**640 X 480 Resolution (High)**
4 Cameras:	30 FPS	9 FPS
8 Cameras:	15 FPS	6 FPS
16 Cameras:	7.5 FPS	2.5 FPS

Video Input Connectors	BNC
Camera Recording Modes	Motion Detection (resolution and frame rate are camera independent); Post Motion Recording supported
Intelligent Storage Management	Camera recording to local drives or network location
Camera Settings	Brightness, hue, saturation, and contrast can be modified per camera
Video Search Method	Search based on camera, date, event and selected times
iSearch "Intelligent Search Agent"	Ability to use motion detection to search archived video
Export File Options	Snapshot (BMP file); Video clips (save to location or CD-recordable)
Video File Format	Exports to Microsoft Standard AVI

Remote Management Configuration   Full administration capabilities are available locally and remotely

Alarm Trigger Notification   E-mail notification with image snapshot on motion detection alarm

PTZ Camera Protocol Supported:
Pelco D, Ultrak / Diamond, SAE, Philips Bi-phase, Pelco ASCII, Panasonic New & Conventional, Canon VCC4, Vicon, Kalatel, Samsung, Sensormatic, Sony.