

SEEnergy π -Vu Professional --

"Reliable and High Performance Intelligent Video Management Software"



With SEEnergy Content Analysis Technology

The all-in-one IP Surveillance solution....

π -Vu Professional is the ideal video management software for mid-sized applications. It's capable of managing total of 64 network cameras and delivering high quality live and playback videos simultaneously. Its built-in video analysis engine can greatly reduce human errors during daily monitoring and record videos that are useful to the end users. Remote monitoring and playback is possible through the web browser, client software, or even mobile devices. Datas can be backed up in multiple places and the backup can be performed remotely.

Preliminary

- **Client-server Architecture**
- **Manage up to 64 Network Cameras**
- **Support H.264**
- **Support MegaPixel Resolution**
- **Built-in Video Analytic Functions**
- **Built-in Image Enhancement Tools**
- **Advanced E-Map Monitoring**
- **Remote Client Backup and Playback**
- **Two-way Audio**
- **9 Channel Synchronous Playback**



π-Vu Professional -- Feature Highlights



π-Vu Professional offers users the ability to not only view live videos through its client software but also the ability to playback videos and backup the data remotely. These tasks can also be performed through a web browser for maximum portability while on the go. Users can even view videos through a mobile device.



π-Vu Professional multi-layered E-Map gives users a clear overview of where cameras are located. It supports PIP (Picture-in-Picture) map views, and all layers provide on-the-fly instant notifications with videos displayed whenever the system detects an event.



π-Vu Professional supports total of 5 monitors; providing multi-screen management which allows users to multi-task with multiple functions on different monitors.



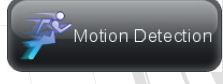
π-Vu Professional supports the latest video compression technology allowing you to gain the maximum video quality while keeping your network bandwidth sufficient for other applications.



π-Vu Professional's built-in image enhancement functionality can greatly improve image quality if they were captured under low light condition or were simply blurred due to unforeseen reasons.



π-Vu Professional can automatically detect any new cameras that's been added onto the local area network. This allows users to add additional cameras without knowing its current IP address which helps reduce the management overhead.



π-Vu Professional comes with built-in Smart Motion Detection function. It provides pixel accuracy and while motions are detected, objects moving in the video will be highlighted for easier identification.

The SEEnergy Smart Motion Detection (SMD) detects motion area to pixel accuracy based on adaptive temporal differencing.

A surveillance-specific morphology operation is integrated to filter out noise and enhance motion area simultaneously.

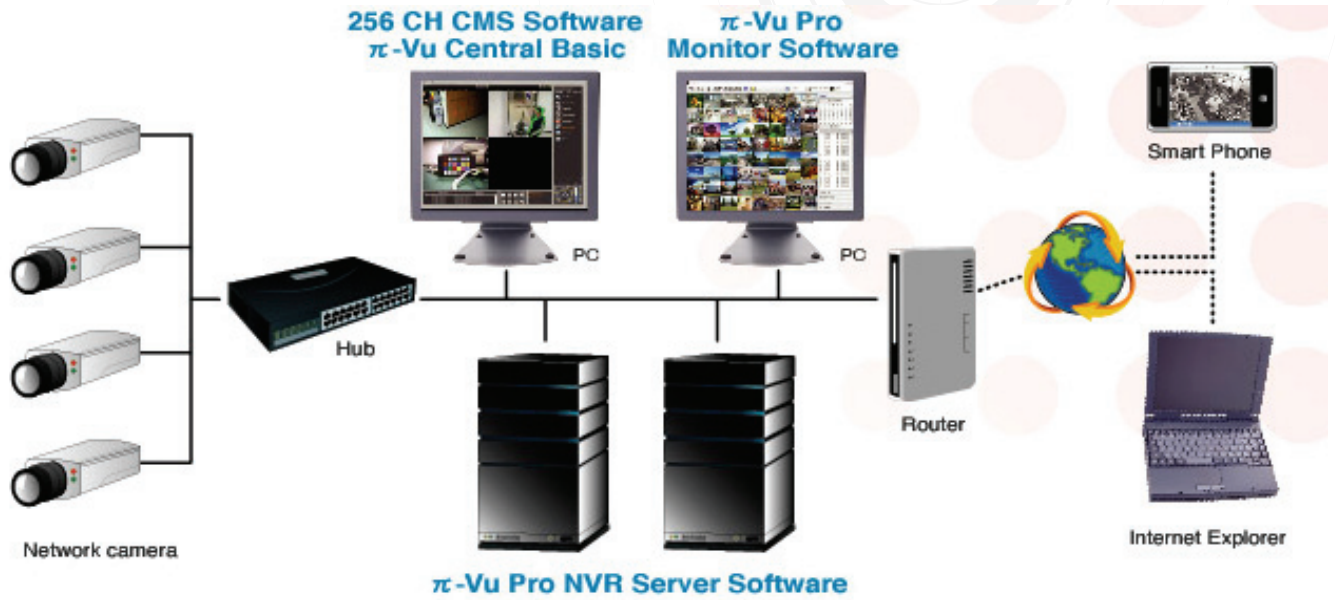
SMD has been tested in general indoor/outdoor environment. It is also applicable to low light conditions or infrared images.

π-Vu Professional -- Technical Specifications

Camera	
Add Camera	Manual/Smart Search/Auto Detect
Supported Brand	Axis/Sony/Panasonic/AVTech/Canon/D-Link/ACTi/Mobotix/Vivotek/AMTK/Arecont Vision/Etrovision/Level1/Toshiba/Zavio
Max. Channels	64
Video	
Compression	MJPEG/MPEG4/H.264
Resolution	MegaPixel/FD1/CIF/QCIF
Max. Frame Rate	25/30 FD1 (Configurable)
Audio	
Streaming	Two-way
Compression	G.711/G.726
Live View	
Multi-Monitor	Up to five monitors can be automatically detected for viewing different function windows simultaneously
Display Mode	Live View/E-Map View/Event Monitor/Playback/Full Screen
Split Screen	1/4/6/9/13/16/25/32/64
Pattern Display Mode	User self-define patterns
Full Screen	64 videos
PTZ Controls	Pan/Tilt/Zoom/IRIS/Focus/Speed Control
PTZ Functions	Virtual PTZ Panel/Mouse-over-video PTZ/Auto Pan/Preset Point/Digital PTZ
Sequence Mode	Sequence All/Manually Selected cameras in 1/4/6/9/13/16 split view/Self-define patterns with configurable timer
E-Map Monitor	Configurable Multi-layer E-Map
Snapshot	Single/Continuous snapshot in JPEG format
Motion Display	Edge Paint/Matrix Highlight/ROI
Image Enhancement	Tamper Detection/Low Light Compensation/Blur Compensation/Image Quality Improvement
E-Map Monitor	
Display	PIP Video Integrated on E-Map
Event Trigger	Pop-up video displayed on the map
Backup	
Storage	Multiple directory/Network Storage
Remote Backup	Backup from remote client software/Web client

Playback	
Export AVI	Export recorded files to AVI
Split Screen	1/4/9
Search Methods	Time/Date, Event (thumbnails)
Event Search	All/Time/Channel/Event Type/Event ID
Playback Controls	Play/Pause/Stop/Forward (Speed adjustable)/Reverse (Speed Adjustable)/Frame by Frame/Event By Event
Remote Playback	Playback videos from remote client/web client
Triggers & Events	
Motion Detection	SEEnergy Smart Motion Detection
Digital Input	Receive trigger from camera's input
Motion Display	Edge Paint/Matrix Highlight/ROI
Event Detection	Motion/Digital input & output/Camera Status
Event Notifications	On-Screen Alert/On-screen Motion Display/Mail/FTP/Configurable Alert Sound/Record
Status	
Camera Status	Disconnected/Connected/Recording/Event (Motion or sensor)
System Info	System Time/Login Users/System Logout/Network Bandwidth
Motion Display	Edge Paint/Matrix Highlight/ROI
Management	
Central Management	Bundled with 256CH CMS Software
Network	
Protocols	TCP/UDP/HTTP/FTP/SMTP/DHCP/DNS/ARP/ICMP/NTP/UPnP/RTP/RTSP/RTCP
Systems	
Min. Hardware Requirement	CPU: Intel Core 2 Duo or above RAM: Minimum 1GB or above is recommended HDD: 200GB or above Graphic Card: Independant graphic card with DirectX9.0c or higher Network: 100 Megabit Network Interface or above
Min. Software Requirement	Windows 2000(SP4), Windows XP SP2, Windows 2003 Server, Windows 7
General	
Package	CD/Manual/USB KeyPro
Languages	English/Trad. Chinese/Simp. Chinese/Japanese/Spanish

Application Diagrams



Preliminary

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