



Connecting Digital Vision

IP Surveillance Solution

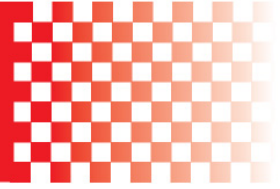
- Embedded Network Video Recorder
- Network Video Recorder Server Software
- Central Management System Software
- Intelligent Video Analytics
- Full HD Decoder

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Embedded NVRs ...



★★ Free Bundle 256CH CMS ★★



SVR Series Embedded Network Video Recorder Comparison Chart

Categories	Pro SVR-104/108/116	Basic SVR-304 Basic
Live Video		
Display	1/4/Full Screen (4CH) 1/4/8/Full Screen(8CH) 1/4/9/16/Full screen (16CH)	1/4/Full Screen
Video Channels	4/8/16	4
Compression Format	MJPEG/MPEG4/H.264	MJPEG/MPEG4/H.264
Resolution	CIF/D1/MegaPixel/HD	CIF/D1/MegaPixel/HD
Sequence	1/4/Full Screen	1/4/Full Screen
Digital PTZ	•	•
Snapshot	•	•
E-map/Google Map	•	•
Mobile Device Live View	•	•
Audio		
Two-way	•	•
Recording		
Continuous	•	•
Manual	•	•
Schedule	•	•
Event	•	•
Snapshot	•	•
Recording Frame Rate	4CH - 120 fps @ 2MP (H.264) 8CH - 240 fps @ 1.3MP (H.264) 16CH - 480 fps @ D1 (H.264)	120 fps @ 1.3MP (H.264)
Recording Export	AVI	AVI
Recording Search	Date/Time/Event	Date/Time/Event
Playback		
Play/Pause/Stop/F. Forward	•	•
Playback Viewing Mode	1/4/Full Screen	1/4/Full Screen
Digital PTZ	•	•
Snapshot	•	•
PTZ	•	•
Pan/Tilt/Zoom	•	•
Auto Focus/Iris	•	•
PTZ Preset	•	•
PTZ Preset Sequence	•	•
Auto Pan	•	•
Event		
Digital I/O	• (Camera/NVR)	• (Camera)
Motion	• (CMS/Camera)	• (Camera)
System	•	•
Event Trigger Action		
E-Mail	•	•
FTP	•	•
Buzzer	•	--
Move to Particular PTZ Preset Point	•	•
Log	•	•
Management		
Remote Management	IE/CMS/Mobile Device	IE/Mobile Device
Automatic Startup After Power Recovery	•	--
Misc.		
CPU	ARM9 500Mhz	ARM9 300Mhz
Memory	128MB(RAM)/16MB(ROM)	128MB(RAM)/16MB(ROM)
HDD	2 x 3.5" SATA I/II	2 x 3.5" SATA I/II
LED Indicators	HDD/Network/Status/Power/Alarm/Cameras	Network/Power/HDD
Buttons	Power/Reset/Buzzer Stop/	Power/Reset/Restart
Dimension	82 x 222 x 216 mm HxWxD	260 x 120 x 300 mm HxWxD
Weight	4.5KG	2.1KG
Power	19V/90W	12V/50W
LAN	10/100/1000Mbps	10/100/1000Mbps
Digital Input/Output	• (8)/(4)	--
USB	• (2)	• (1)
RS232	•	--

16CH



8CH



4CH



4CH Basic



PC VMS ...

π -Vu Series Comparison Chart



Categories	Workstation	Server	CMS	
	π -Vu Pro Lite	π -Vu Pro	π -Vu Central Basic	π -Vu Central
Feature difference compared to lower version or product				
Feature Overview				
Video				
Dual Stream	--	•	--	--
Max. Channel	64	64	256 (Manage 16 NVRs)	1024 (Unlimited NVRs)
Max. Live View	64	64	64	64
MJPEG	•	•	•	•
MPEG4	•	•	•	•
H.264	•	•	•	•
Max. Frame Rate	30	30	30	30
Max. Resolution	5MP	5 MP	Full HD	5 MP
Full Screen	2	Unlimited (4x4)	2 (4x4)	2 (8x8)
Snapshot	•	•	•	•
Export AVI	•	•	•	•
Image Enhancement	--	•	•	•
Video Split View	1/4/6/9/13/16/25/36/64	1/4/6/9/13/16/25/36/64	1/4/6/9/13/16	1/4/6/9/13/16/25/36/64
Video Arrangement	Single/Group/Configurable	Single/Group/My Favorite/Configurable	Single/Group/Configurable	Single/Group/Configurable (layout retain after restart)
Synchronous Playback	4ch.	9ch.	4ch.	4ch.
Audio				
Two-way	•	•	•	•
Monitor				
Multi-Monitor	4	Unlimited	5	5
E-map View	Dual Layer	Unlimited	Dual Layer	3 Layer (NVRs can be assigned to groups)
Event Monitor	•	•	•	•
Sequence View	Single/Group/All	Single/Group/My Favorite/All	Single/Group/Pattern/NVR/All	Single/Group/Pattern/NVR/All
Events				
Digital Input Events	•	•	•	•
Motion Detection	•	•	•	•
Intelligent Video	--	•	•	•
PTZ				
Digital PTZ	•	•	•	•
Preset Point View	•	•	•	•
Preset Patrolling	•	•	•	•
Auto Pan	•	•	•	•
Recording				
Manual	•	•	•	•
Schedule	•	•	•	•
Event				
Motion/Intelligent Video	• (Motion)	•	•	•
Digital Input	•	•	•	•
Pre/Post Alarm	•	•	•	•
Storage	Multiple	Multiple	--	--
Recycling	•	•	•	•
Archiving	--	•	--	--
Management				
Remote Monitor	• (IE/Mobile Device/CMS)	• (IE/Remote Client/CMS/Mobile Device)	--	--
Remote Playback	• (IE 4CH)	• (IE 4CH) • (Remote Client 9CH)	--	--
Remote Backup	--	•	--	--
Remote Configuration	--	•	--	--
Web Client	•	•	--	--
Mobile Client	•	•	--	--
Smart Camera Search	•	•	•	•
Supported Camera Brands	30	30	30	30
License	USB Key Protection	USB Key Protection	FREE (Bundled with NVR)	USB Key Protection
Intelligent Video				
Configuration & Simulator	--	•	--	--
Smart Motion Detection	•	•	•	•
Object Loss	--	•	•	•
Object Counting	--	•	--	--
Tripwire	--	•	•	•
Camera Tampering	--	•	•	•
Foreign Detection	--	•	--	--
Face Detection	--	•	--	--

We reserve the right to make changes without prior notice

Full HD Decoder ...

Key Feature

- Manage up to 4 SEEnergy NVRs
- Up 9 Live Video Display
- HD Resolution Decode and Display
- Easy Firmware Upgrade Through USB Support -Backup to USB Disks
- Easy Operation with Remote Control
- Export Playback Videos to AVI
- Two-way Audio
- Support H.264
- SEEnergy Smart NVR Search

Application Diagram



SVD 216

Full HD
1080

Central Management

The device acts as a standalone management unit that can be quickly setup to view up to 9 channels of live/Playback videos from 4 different NVRs. Its built-in DVI connector can be used to connect directly to a high resolution display unit.

Easy Control

Intuitive control: All the functions of the device can be accessed with a just few clicks on a remote control. It provides similar and familiar user experience just as if you were controlling and setting up a TV or a DVR. Connecting a compatible surveillance joystick is also possible which provide more intuitive control for PTZ capable device.

Two-way Audio

Two-way Audio: The device can connect both microphones and speakers or similar audio input/output device to receive/transmit audio from/to the other end.

USB Back up

USB Backup: Connect a USB external HD to the USB interface and select the desired time range from the configuration menu to backup the recorded data for offline viewing.

New Products ...

SVR-116+

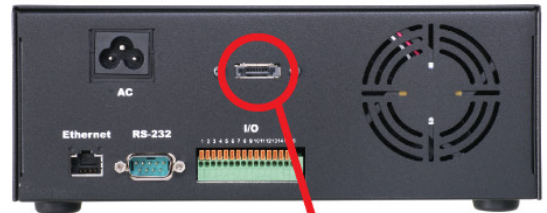
Key Feature

- Manage up to 16 Network Cameras
- High Quality Live/Playback Video
- Digital PTZ on Live and Playback Videos
- Web-based GoogleMap Event Alert
- Two-way Audio
- Built-in DI/DO for Event Management
- 4 Channel Synchronous Playback
- Export Playback Videos to AVI
- USB Backup
- Support E-SATA External Storage
- Hardware RAID 0, RAID 1, JBOD support
- Max. Storage Capacity of 14TB
- Support External UPS
- Mobile Devices Remote Monitoring
- SEEnergy Smart Camera Search



★★ Free Bundle 256CH CMS ★★

Up to 6TB, RAID 0/1



E-SATA, up to 8TB



Distributed NVR Deployments, Automatic Centralized Backup ...

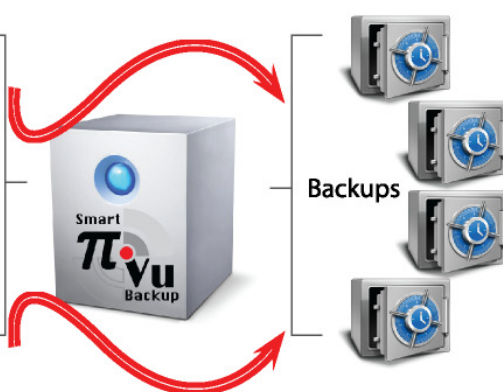
π-Vu SmartBackup

π-Vu SmartBackup is the ideal data management software for distributed NVR deployments. It's a centralized backup server that automatically backs up data from both the embedded and PC-based NVRs. With π-Vu SmartBackup, you can set to backup data up to 256 channels from maximum 16 NVRs that performs backup automatically at a desired time. Backup quality is configurable to save backup time and storage space. Backup bandwidth is also configurable to avoid network collision when large data backup is performed.

SVR Series NVRs



π-Vu Pro Servers



- Simultaneous Backup from up to 16 NVRs/256 CH
- Configurable Backup Frequency with Configurable Schedule
- Support Manual/Automatic Backup
- Configurable Backup Bandwidth
- Flexible Data Management to delete, recycle, and export recording data
- 9CH Synchronous Playback/Event Playback
- E-Mail Event Notification
- Remote Client Backup, Configuration and Playback
- Two-way Audio
- SEEnergy Smart NVR Search

New Products ...

SVR-632

★★ Free Bundle 256CH CMS ★★

- Manage up to 32 Network Cameras
- Recording up to 960fps @ 1280x1024
- Backup Database Through USB
- Export Playback Video to AVI
- Web-based E-map/Google Map Event Alerts
- Two-way Audio
- 16 Channel Synchronous Playback
- Support E-SATA External Storage
- VGA Local Display
- Support RAID 0, RAID 1, RAID 5, RAID 10
- Max. Storage Capacity of 20TB
- Support External UPS (Optional)
- Mobile Devices Remote Monitoring
- SEnergy Smart Camera Search
- 4-bay Internal HDDs



Up to 12TB, RAID 0/1/5/10



E-SATA, up to 8TB

Access Your NVRs Whenever, Wherever...

The NVR Mobile Viewer allows users to access the standalone NVRs and the PC-based VMS software remotely right from iPhone/iPad/ iPod touch. The app allows users to remotely view the IP camera's live video by accessing the NVRs on the network. Users can also perform playback, search event recording as well as functions such as digital zoom and take a snapshot of the video. The app can automatically find available NVRs within the local network for quick and easy access.

- Auto Search NVRs on the Network
- Unlimited NVR Access
- Support Digital Zoom
- Support Portrait and Landscape View
- Support Snapshot

Available on the
App Store



Complete Solutions ...

Complete IP Surveillance Solution

Central Management Software Pi-Vu Central Basic

- Free bundled with SVR
- Central management of SVR x16
- Support maximum 256 channels
- Two way audio
- Smart Motion Detection, Tripwire, Camera tampering detection, Object loss detection, Image enhancement
- Multi-screen management
- Live, event, playback & E-map



Standalone Media player SVD-216

- Manage up to 4 NVR(SVR) & 16 CH camera
- Support various video format and resolution
- Export playback video to AVI
- Two-way audio
- Support split screen: Full HD x1, D1x4 or CIFx9
- Sequential display mode
- Event notification for camera & NVR system alarm
- Support IR remote controller & USB joystick



Major Smartphones Support Remote Access

Through web browser:

- iPhone/iPod Touch/iPad
- Blackberry
- WinMo 6.5 or above
- Android Phones
- Symbian Phones



Standalone NVR SVR-116+

- Support MJPEG, MPEG4 and H.264
- Two SATA2 hard disks(4TB)
- RAID0 & RAID1
- External hard disk interface
- 4CH synchronous playback
- Web-based E-map event alert
- Google map
- Two-way audio
- 8DI / 4DO
- USB backup
- Linux based operation system
- Pure web-based administration



Backup Server Software Pi-Vu Smart backup

- Backup media data/event log from multiple NVR
- Support maximum 16 recording server, 256 channels to backup.
- Support maximum 4 clients to configure/view.
- Hr/ Day/Week/ Month backup frequency
- Frame rate setting
- Manual backup
- Specify the network bandwidth for backup
- Remote viewer program for playback
- Support deleting the backup data. [by time, by size]
- Support export of media backup.

Standalone NVR



SVR-304 Basic
4 CH



SVR-104
4 CH



SVR-108
8CH



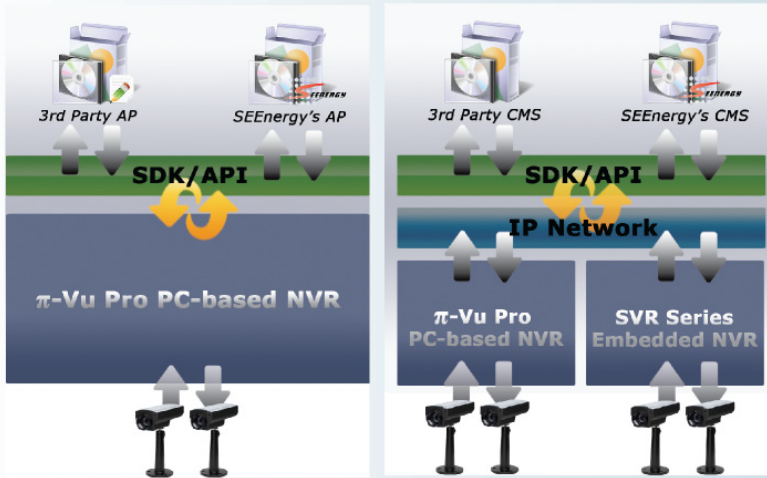
SVR-116
16CH

NVR server software



Pi-Vu Pro
64 CH

3rd Party Integration



Customer oriented
 User interface API/SDK
 CMS API/SDK
 Flexible integration interface
 Easy for customization
 ActiveX component



Open Platform



Modular Design



Easy Integration

Company Strengths ..

Video Analytic Software Modules

<p>Foreign Object Detection</p>	<p>Face Detection</p>	<p>Gender Detection</p>
<p>Object Loss Detection</p>	<p>Smart Motion Detection</p>	<p>Tripwire</p>
<p>Image Enhancement</p> <p>Before After</p>	<p>People Counting</p>	<p>Camera Tampering Detection</p>