



Anytime, Anywhere...
Clear Surveillance

A New Convenient Recording Solution **SNR-32A/16A/9A** Record Clear Image from Anywhere via the Internet!

The SNR-32A/16A/9A is a feature-rich network recording software. It can record up to 32 units of IP products and is compatible with the SNM-64P, Samsung Network Manager. The network recorder offers great convenience and flexibility in recording real-time videos via the internet.

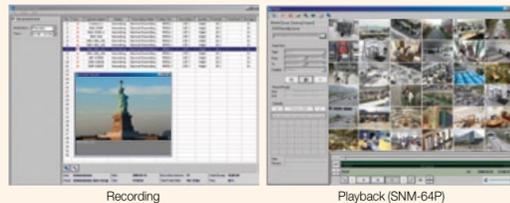
MPEG-4/JPEG dual codec

The SNR-32A/16A/9A uses MPEG-4 and JPEG compression so that users can select a compression algorithm according to their circumstances. Users can select a resolution (D1, Half D1, CIF), picture quality and frame rate variously according to traffic environment of network, so real-time monitoring is available.



Max. 480fps real-time recording, Various recording modes

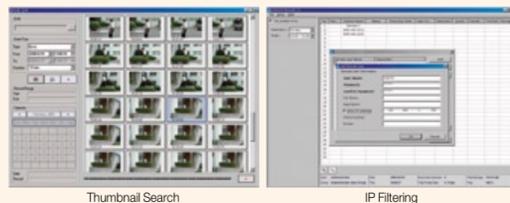
High resolution images of maximum 480fps that network unit sends can be stored. It also supports a selection of recording modes such as D1 (704 x 480), Half D1 (704 x 240), CIF recording, normal, schedule, and event, motion detection etc., ensuring optimized network video recording.



Convenient search, Additional multi-functions

The SNR-32A/16A/9A supports system security modes, various simple search modes, and excellent compatibility with external storage devices.

- System Auto Recovery, Auto Power-On Record
- Thumbnail Search
- External NAS (Network Attached Storage)
- Pre/Post Recording (60 seconds)
- User IP filtering, Login Packet Encryption



Specifications

MODE		SNM-64P (Professional)	MODE		SNR-9A	SNR-16A	SNR-32A	
Device to Use	Supported Devices	Network Camera : SNC-550, SNP-3300/1000 Video Server : SNS-400/100 DVR : 1650E/1640A/950E/940/450	Support H/W	Supported Devices	Network Camera : SNC-550, SNP-3300/1000 Video Server : SNS-400/100			
	Max. register Device	No limit		Max. Register Device	No limit			
	Multi-monitor	Max. 3 (Live 2)		Max. Record Channel	9	16	32	
Live Monitoring	Screen-split Modes	1 / 4 / 6 / 8 / 9 / 16 / 25 / 36 / 64 (Full-screen)	Performance	Recording	270 CIF	480 CIF	480 CIF	
	Launches Instant Player	DVR only		Playback	5 Client	5 Client	5 Client	
	Controls PTZ Function	Pan, Tilt, Zoom, Focus, Preset		Recording	Video Codec	MPEG-4, JPEG (Selectable)		
	FTP/E-mail Notification	Supported			Audio Codec	ADPCM		
	Snapshot / Prints Image	Supported			Resolution	D1, HD1, CIF		
Playback	Local (Remote) Playback / Back up	Supported	Component	Quality	5 level			
	Converts Video Format	AVI		Pre/Post Recording Time	60 sec / 60 sec			
	Search	Go to a certain time, Latest data search, Timeline index search, Thumbnail image search		Recording Mode	Continue, Schedule, MD, Event, Compound			
	Zooms in/out on the Image	Supported		Set up	Configurable frame rate for each			
Event Signal Monitoring	FTP/E-mail Notification	Supported	Storage	CH(1-30 (N), 1-25 (P)), Channel independent setup				
	Snapshot / Prints Image	Supported		Max record HDD Drive	23 HDDs			
	Display	Current event log on the list, live image Changes border of live video channel to red		Space Configuration (Each Drive)	Supported			
	Filtering	Unnecessary signal		Space Shortage Warning	Supported			
Alarm Signal Monitoring	Event Image Playback	DVR only	User	NAS (Network Attached Storage)	Supported (External)			
	Displays	Current alarm log on the list, live/thumbnail image a certain period of time of a day, a certain types of alarms automated notifications to user schedules actions against alarms		User Level	2 level			
	Set up			Local (Remote) User	Group : 1, User : No limit			
	Event Image Playback	DVR only		IP Filtering (Remote user)	Supported			
User	Group / User	Group / user : No limit	S/W Status	Record, Record schedule, Storage, Live/Recording image (Instant viewer)				
	Number of Map	Map group : No limit, Layers : 16, Maps : 64		Data Security Technology	Login Packet Encryption	Supported		
	Supports Image	JPEG / BMP			System auto recovery, Auto power-on record			
System Specifications	CPU	Intel Core2Duo E4300, RAM : 2GB above	System Specifications	CPU : Intel Core2Duo E6750, RAM : 2GB above				
	Video memory	256MB, HDD : 80GB		Video memory : 256MB, HDD : 250GB				
	OS	Window 2000/XP SP2, DirectX 9.0 above		OS : Window XP SP2, Windows 2003 SP2				
		Display resolution : 1,024 x 768 above	DirectX 9.0 above, Microsoft .Net Framework 2, Microsoft SQL Server 2005					

* The entire items are not supported in every device. Some items are not supported in certain devices.

Accessory (Supplied with SNM-64P, SNR-32A/16A/9A)



The Eco mark represents Samsung Techwin's will to create environment-friendly products, and indicates that the product satisfies the EU RoHS Directive.

Design and specifications are subject to change without notice.



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I.D-0804

Powerful Network Integration Management!



Samsung Network Manager
SNM-64P

Samsung Network Recorder
SNR-32A/16A/9A

imagine Powerful Integrated Surveillance

The SNM-64P (Samsung Network Manager Professional) is a centralized management software program which enables one to manage integrated Samsung Techwin DVR and network products connected to the network through a single user interface. The SNR-32A/16A/9A is a feature-rich network recording software that can record up to 32 network-based units and is compatible with the SNM-64P.



Samsung Techwin take you to the world of real network convenience!
Powerful Integrated Network Managing & Recording Solutions



Samsung Network Manager
SNM-64P

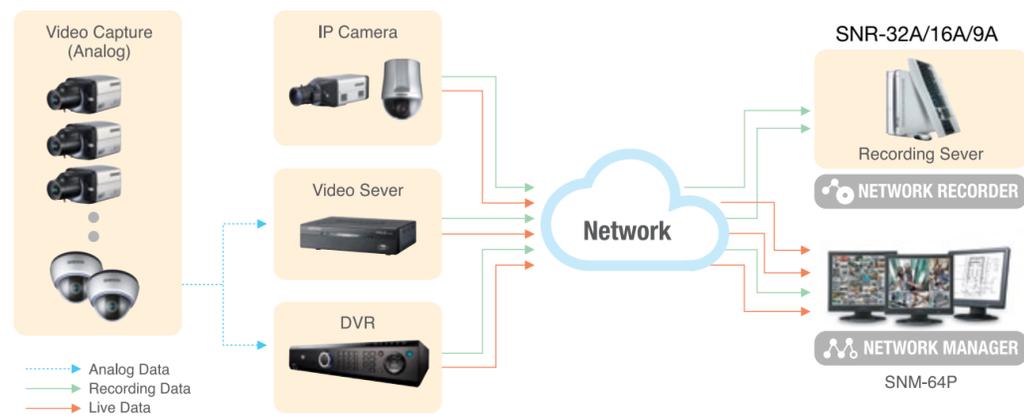
- Integrated management software for DVRs and IP units
- MPEG4/JPEG, Wavelet compression support
- Max.128 channel simultaneous monitoring
- 3 Multi monitor, Map viewer support

Samsung Network Recorder
SNR-32A/16A/9A

- Network video recording of up to 32 channels
- Max. 480fps(N) fast recording speed
- MPEG-4 and JPEG dual codec support



Network Integration Diagram



All in One Solution



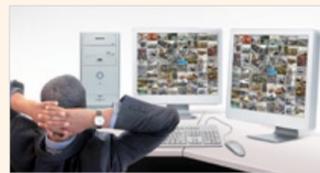
SNM-64P

The SNM-64P (Samsung Network Manager Professional) is an integrated management program for multi channel purposes, which can be managed by integrating Samsung Techwin's DVR and network products which are connected to the network through a single user interface. The SNM-64P comprises 3 programs, namely Viewer, Player and Map Viewer. A more effective management system can be built through screen surveillance, such as live image monitoring, recorded image playback and graphic map image.

Convenient Real-Time Live Monitoring

Max.128 channel real time live surveillance

A maximum of 64 cameras can be monitored simultaneously on one monitor. If a 2nd monitor is used, 64 more screens can be shown, resulting in the ability to monitor max.128 screens.



128 channel simultaneous surveillance

3 monitor connections available

The SNM-64P can connect max.3 monitors if it is supported by a PC or server. Overall screen security management and area control are possible by opening docking windows and additional windows on many monitors.



Various image divisions (64 images)

The SNM-64P supports various image division modes, namely 1, 4, 6, 8, 9, 16, 25, 36, 49 and 64 divisions, enabling the user to configure the screen easily.



6 images

64 images

Unlimited product registration

The number of pieces of equipment to be used for the program can be registered without limitation.



- SVR-1650E
- SVR-1640A
- SVR-1640E
- SVR-950E
- SVR-940
- SVR-450
- SNS-400
- SNS-100
- SNC-550
- SNP-3300
- SNP-1000

Various remote control supports

The administrator can perform real time screen surveillance, and control PTZ, bi-direction audio and the relay of each piece of equipment.



All in One Remote Monitoring,
128 Channel Control, Play-back,
Recording and Map Functions!



Powerful Alarm & Event Control

Various Alarm & Event Control

Experience more convenient surveillance through the Alarm/Event control of the SNM-64P. The SNM-64P can monitor with pop-up images and lists by receiving event/alarm signals in real time. More effective surveillance is possible by setting the specified actions, e.g. generating warning sound, to be performed when an alarm signal is generated. The alarm control station, which is provided additionally, supports more powerful alarm/event management.

Alarm Control Station (Window for Alarm Status Control only)

- Instant viewer, Live image indication
- Instant player, Recorded image playback (DVR only)
- Alarm status check and description phrases writing
- Transmitting image files via FTP server and sending e-mails



MAP Viewer for Smart Monitoring

Graphic map image support

The SNM-64P supports a map function for effective surveillance of remote areas. Image surveillance areas can be easily managed with a graphic by marking cameras and sensors on the map image of the screen. When an event occurs, live image and recorded image (DVR) can be checked immediately by clicking on an icon.



Powerful Player for Playback (DVR)

Fast and effective playback and search function

The SNM-64P can easily find and play back image data which the user wants through search conditions with various methods such as calendar and timeline. Data which is recorded in DVR can be backed up through a PC and converted into AVI file format.



Simple Recording

Convenient simple recording function

The user can manually record the network camera and the live image and sound of the network video for a maximum of 10 minutes per channel, in independent file formats.

- * Simple recording records the resolution of images, and the quality and frame rate conditions as shown on the viewer screen.
- * For real time recording of network products, it is recommended that a recording-only network recorder software (SNR-32A/16A/9A) be used.

