



SE-100 Series

Embedded DVR With Network Surveillance Software

Unique Features

- Fully developed in Korea
- Embedded Linux system offering maximum stability
- All Channels Real-time Display and Recording (25/30 fps per channel). With All Channel Real-time Playback.
- Support internally up to 4 IDE HDD without additional hardware (with sufficient built-in power and space, no need to upgrade power supply or whatsoever). Each HDD Slot can support more than 300GB (Chipset supports upto 2,000GB per HDD)
- File Backup - via IEEE1394, TCP/IP Network and USB
- File Backup - to Built-in CD-RW for SE-108C
- MPEG2 compression method for DVD quality image and storage efficient compression
- Motion / Sensor detection triggered recording
- Triplex Operation and more - Recording, Playback, Backup and Remote Access at same time
- Easy operation via Front Panel and Remote Control
- Remote Monitoring and operation via Network Client Software
- Pan Tilt Zoom Control

Remote Surveillance Software

- Remote live viewing
- Remote network backup and online file list viewing
- All channel simultaneous viewing
- Remote playback clips backed up via USB, network, IEEE1394 and CD writer.
- Password Controlled
- Playback speed control
- Remote PTZ Control

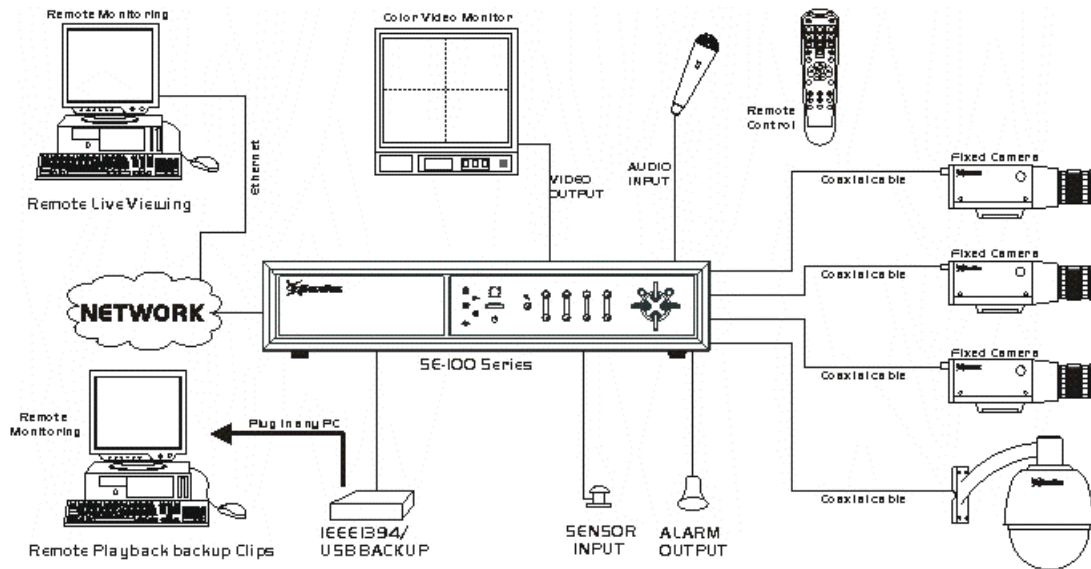


Rear Side Detail





System Diagram



Specifications

Model	SE-104S	SE-108S	SE-108C
Video In	4 Channel (BNC)	8 Channel (BNC)	
Video Out	1 TV Monitor (BNC) / 1 S-Video / 4 Loop Back (BNC)	1 TV Monitor (BNC) (Loop Back by External T-Joint and 75Ohm On/Off Switch)	
Audio In	2 Channel (RCA)	4 Channel (RCA)	
Audio Out	1 Channel (RCA)		
Display Speed	NTSC 120fps (30fps per channel) PAL 100fps (25fps per channel)	NTSC 240fps (30fps per channel) PAL 200fps (25fps per channel)	
Display Resolution	NTSC 720 x 480 PAL 720 x 576		
Display Screen	Full, Quad and SPOT	Full, Quad and 8+8	
Recording Resolution	NTSC 360 x 240 (per channel) PAL 360 x 288 (per channel)		
Recording Max. Speed	NTSC 120fps (30fps per channel) PAL 100fps (25fps per channel)	NTSC 240fps (30fps per channel) PAL 200fps (25fps per channel)	
Recording Frame Rate (configurable to)	NTSC (per channel) 30 / 15 / 10 / 6 / 3 / 1 PAL (per channel) 25 / 12.5 / 8.3 / 5 / 2.5 / 1		
Recording Compression	MPEG-2		
Recording Mode	Manual / Event / Schedule		
Recording Compression Rate	3 Steps (Standard / High 1 / High 2)		
Pre-Alarm Recording	Yes		
Playback Search Mode	Time / Event / List Search		
Playback Speed	FF: x2, x4, x8, x16 / Reverse: x1, x2, x4, x8, x16 Slow: x1/2, x1, x1/4, x1/8 / Still and Frame Advance		
Sensor and Alarm	4 Input / 4 Output	8 Input / 8 Output	
Network	via LAN, TCP/IP (Included Client S/W)		
Backup	via USB, IEEE1394 or Network		via USB, IEEE1394, Network or CD Writer
P/T/Z Control	RS-485		
Operating System	Embedded Linux		
Dimension	430 (W) x 445 (D) x 90 (H) mm		
System Control	Front Key Pad, IR Remote Control		
Power	100 - 220V / 50 - 60Hz / 350W		
Client Software	SE 4 Channel Client Software	SE 8 Channel Client Software	



Storage Calculation Example (Please use on pro-rata basis)

Frame Rate (PAL) (Frame/Sec)	Standard Picture Quality		High 1 Picture Quality		High 2 Picture Quality	
	240GB	480GB	240GB	480GB	240GB	480GB
25.00	220hr	440hr	117.9hr	235.8hr	78.5hr	157hr
12.50	440hr	880hr	235.8hr	471.6hr	157hr	314hr
8.30	660hr	1,320hr	353.7hr	707.4hr	235.5hr	471hr
5.00	1,100hr	5,500hr	589.5hr	1,179hr	392.5hr	785hr
2.50	2,200hr	4,400hr	1,179hr	2,358hr	785hr	1,570hr
1.00	5,500hr	11,000hr	2,948hr	5,895hr	1,963hr	3,926hr

Note: This table is basing on SE-104S 4 Channels (retention period is for all 4 channels, i.e. for whole unit).

Note: For SE-108S, please divide the retention period by 2.

Note: These are rounded up figures. May varies depends on camera quality and motion level.

Note: For different size of hard disk, please calculate on pro-rata basis. End-user can choose any hard disk capacity available on the market.

Ordering Information

Model	Description
SE-104S	4 Channel Embedded Digital Video Recorder with Remote Surveillance
SE-108S	8 Channel Embedded Digital Video Recorder with Remote Surveillance
SE-108C	8 Channel Embedded Digital Video Recorder with Remote Surveillance and CD Writer Backup