

# SVR-960C

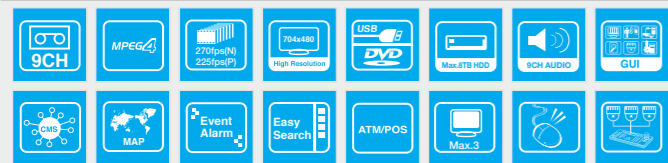
9 Channel DVR

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## Overview

The SVR-960C offers 9 channels of high resolution video real-time recording capability and powerful integrated network management of an unlimited number of DVRs. It comes with smart thumbnail, and bookmark search capabilities, fast DVD back up and easy control with intuitive GUI and mouse interface.



## Features

- True real-time 270fps(N), 225fps(P) digital image display  
270fps(N), 225fps(P) digital video recording
- MPEG-4 Compression
- High resolution image [704 x 480, 704 x 240, 352 x 240(N)]  
[704 x 576, 704 x 288, 352 x 288(P)]
- Capacity for up to 2 Internal SATA HDDs
- Two front panel USB ports for easy back up
- DVD writer is included as standard
- ATM/POS transaction data recording and search
- Powerful CMS support as standard (SNM-128S/P)
- Convenient control with a remote controller and a mouse
- OSD (Multi-language)
- 10/100 base-T network interface capability
- Thumbnail search / Calendar search / Book mark function
- 3 Multi-monitor
  - Built-in web server
- RS-232C, RS-485/422
  - Pan / Tilt / Zoom support (Multi-protocol)
- 9 Channels audio recording

## Emergency recording mode

Regular, event or schedule recording and event recordings can be set at the same time for an optimal response to various usage circumstances. Also, the DVR provides an emergency recording feature so that important video data is not lost when urgent situations arise.

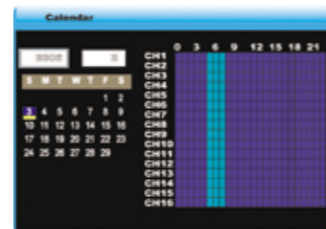


## Various quick & easy search modes

- **Thumbnail Search** : Users can check videos in the thumbnail image viewer and find saved videos more quickly.
- **Book Mark Function** : When users register desired playback points, they can directly play the video when needed without searching it again.
- **Calendar Search** : Videos can be easily searched for by just entering a selected date and time.



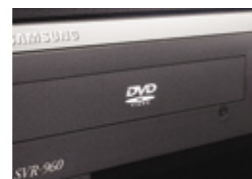
Thumbnail Search



Calendar Search

## High speed DVD back up

The DVR comes equipped with a high speed DVD Writer that can back up large data much faster. For example, 4 giga bytes of data can be copied to a DVD within just 30 minutes. In addition, easy back up with front USB ports are also provided.



DVD Writer



Front USB port

## System controller

Using the SCC-3100A system controller integrated control of up to 255 DVR and PTZ Domes is possible. It is equipped with multi protocols to connect with and control various devices from other manufacturers as well allowing users to set up a large sized security system easily.



SCC-3100A

# SVR-960C

9 Channel DVR

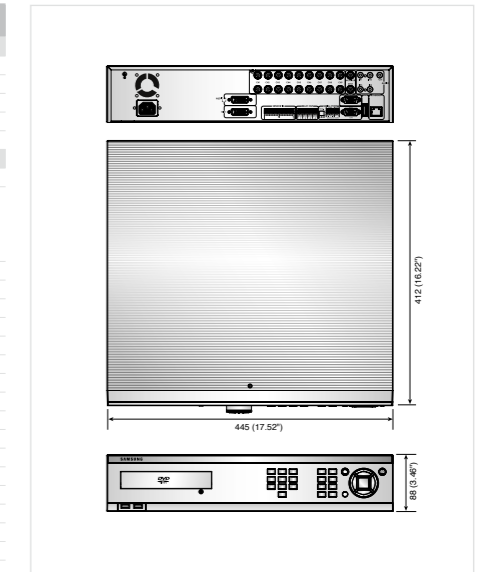
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## Technical Specifications

		SVR-960C	
<b>DISPLAY</b>			
Video	Inputs	9 Composite video 0.5-2 Vpp, 75 ohm automatic termination	
	Resolution	NTSC : 704 x 480 / PAL : 704 x 576	
	Frame Rate	NTSC : 270fps / PAL : 225fps	
	Live Resolution	NTSC : 704 x 480 / PAL : 704 x 576	
Live	Multi Screen Display	1 / 4 / 9	
	<b>PERFORMANCE</b>		
Recording	Compression	MPEG-4	
	Record Rate	NTSC	
		Up to 120fps@704 x 480	Up to 100fps@704 x 576
		Up to 240fps@704 x 240	Up to 200fps@704 x 288
	Up to 270fps@352 x 240	Up to 225fps@352 x 288	
	Mode	Manual, Schedule, Event, Emergency	
	Overwrite modes	Continuous	
	Pre-alarm	Up to 5sec	
	Post-alarm	Up to 60sec	
	Search & Playback	Search Mode	Date/Time, Event, Calendar, Thumbnail, Bookmark, Text (Exclusive viewer)
Network	Playback Function	REW, FWD, Frame advance (Control keys)	
	Transmission Speed	Up to 9Mbps	
	Bandwidth Control	Automatic	
	Multi Stream	N/A	
Storage	Max. Remote Users	10 Simultaneously	
	Protocol Support	TCP/IP, DHCP, DNS, DDNS, HTTP, ARP, ICMP and NTP	
	Monitoring	CMS Software (SNM-128S/P), Built-in web server	
	Maximum Capacity	Up to 8TB using external storage option	
Security	Internal HDD	Up to 2 SATA HDDs	
	External HDD	Up to 1 expansion bay	
	DVD Writer (Back up)	DVD-R / CD-R	
INTERFACE	USB (Back up)	2 External USB ports	
	File Format (Back up)	BMP, AVI, Proprietary format / JPEG (Exclusive viewer)	
	Password Protection	10 User level	
Monitors	Data Authentication	Watermark	
	VGA	Analog RGB 800 x 600, 1024 x 768, 1280 x 1024 resolution	
	Main Composite	1 BNC, 1 Vp-p, 75 ohm, Multi-screen, Menu, Playback	
	Sub Composite	1 BNC, 1 Vp-p, 75 ohm, Analog spot	
	Loop Outputs	9 Composite video 1 Vpp, 75 ohm	
	Audio	Inputs	9 Line in, 30K ohm
		Output	1 Line, 100K ohm
		Compression	ADPCM
	Alarm	Sampling Rate	16KHz
		Inputs	Terminal 9 inputs, NO/NC
Outputs		Terminal 4 relay outputs, NO/NC	
Remote Notification		Notification via e-mail	
Connections	Ethernet	RJ-45 10/100 Base-T	
	Serial Interface	RS-232C	
	PTZ Control Interface	RS-485/422	
	PTZ Keyboard	RS-485, Max. signal voltage ±12V	
Dome Protocols	USB	USB 2.0	
	eSATA	1 External SATA port	
	Application Support	ATM/POS, Mouse, Remote controller	
	Supported PTZ Cameras	Samsung Techwin, Pelco D, Pelco P, Panasonic, Bosch, SEC	
<b>GENERAL</b>			
Electrical	Input Voltage	100 ~ 240V AC ±10%, 50/60Hz, Auto ranging	
	Power Consumption	Max. 66W (With 1X HDD) / Max. 88W (With 2X HDD)	
Environmental	Operating Temperature	+5°C ~ +40°C (+32°F ~ +104°F)	
	Operating Humidity	0% ~ 60%RH	
	Dimensions (WxHxD)	445 x 88 x 412mm (17.52" x 3.46" x 16.22")	
Mechanical	Weight (2X Hard Disks)	Approx. 8.6Kg (18.96 lb)	
	Rack Mount Kit	For mounting one unit in an EIA 19 inch rack	
Language		English, Korean	
		Spanish, French, German, Italian, Portuguese, Polish, Russian, Turkish, Japanese, Czech, Serbian, Swedish, Rumanian, Danish, Chinese, Taiwanese	
Certifications		FCC (Class A), UL/cUL listed, CE (Class A)	

## Dimensions

Unit : mm (inch)



## Accessories

### HDD Extension Unit SVS-5E



\* See page 80 for more details.

### Optional Controller



SCC-3100A

## System Configuration

