



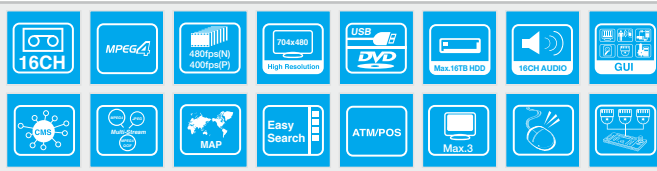
# SVR-1660C

16 Channel DVR with 480fps at CIF resolution



## Overview

The SVR-1660C provides a cost effective solution for real-time video recording of up to 16 cameras at CIF (352 x 240) resolution. SVR-1660C is compatible with Samsung's powerful CMS software giving users the full remote control of the DVR functionality and administration. The SVR-1660C includes advanced features such as multiple monitor outputs, fast DVD back up, and built-in web server.

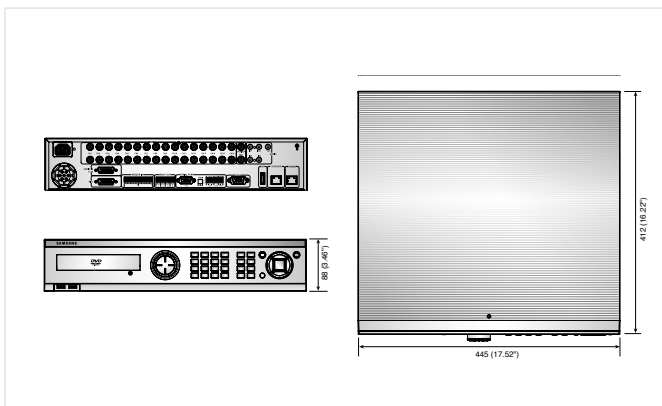


## Features

- True real-time 480fps(N), 400fps(P) digital image display
- 480fps(N), 400fps(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)]
- Simultaneous MPEG-4/JPEG streaming
- Capacity for up to 4 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)
- 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)
- 16 Channels audio recording
- PTZ control using coax cable

## Dimensions

Unit : mm (inch)



## Technical Specifications

		SVR-1660C	
<b>DISPLAY</b>			
Video	Inputs	16 Composite video 0.5-2 Vpp, 75 ohm automatic termination	
	Resolution	NTSC : 704 x 480 / PAL : 704 x 576	
	Frame Rate	NTSC : 480fps / PAL : 400fps	
Live	Resolution	NTSC : 704 x 480 / PAL : 704 x 576	
	Multi Screen Display	1 / 4 / 9 / 10 / 16	
<b>PERFORMANCE</b>			
Recording	Compression	MPEG-4	
	Record Rate	NTSC	PAL
		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 480fps@352 x 240	Up to 400fps@352 x 288	
Mode	Manual, Schedule, Event, Emergency		
Search & Playback	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)	
	Playback Function	REW, FWD, Frame advance (Control keys and jog shuttle)	
	Transmission Speed	Up to 9Mbps	
Network	Bandwidth Control	Automatic	
	Multi Stream	MPEG-4 (Dual Stream) / JPEG	
	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	
Storage	Maximum Capacity	Up to 16TB using external storage option	
	Internal HDD	Up to 4 SATA HDDs	
	External HDD	Up to 2 expansion bay	
	DVD Writer (Back up)	DVD-R / CD-R	
Security	USB (Back up)	2 External USB ports	
	File Format (Back up)	BMP, AVI, Proprietary format / JPEG (Exclusive viewer)	
	Password Protection	10 User level	
Data Authentication	Watermark		
<b>INTERFACE</b>			
Monitors	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, Multi-screen, Menu	
	Loop Outputs	16 Composite video 1 Vpp, 75 ohm	
Audio	Inputs	16 Line in, 30K ohm	
	Output	1 Line, 100K ohm	
	Compression	ADPCM	
	Sampling Rate	16KHz	
Alarm	Inputs	Terminal 16 inputs, NO/NC	
	Outputs	Terminal 4 relay outputs, NO/NC	
	Remote Notification	Notification via e-mail	
	Ethernet	RJ-45 10/100 Base-T	
Connections	Serial Interface	RS-232C	
	PTZ Control Interface	RS-485/422	
	PTZ Keyboard	RS-485, Max. signal voltage $\pm 12V$	
	USB	USB 2.0	
Dome Protocols	eSATA	2 External SATA ports	
	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 $\pm 10\%$ , 50/60Hz, Auto ranging	
	Power Consumption	Max. 66W (With 1X HDD) / Max. 130W (With 4X HDD)	
Environmental	Operating Temperature	$+5^{\circ}C \sim +40^{\circ}C$ ( $+32^{\circ}F \sim +104^{\circ}F$ )	
	Operating Humidity	0% ~ 60%RH	
Mechanical	Dimensions (WxHxD)	445 x 88 x 412mm (17.52" x 3.46" x 16.22")	
	Weight (4X Hard Disks)	Approx. 11Kg (24.25 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)		