

A Full Range of Recording Systems



Ultimate Performance SVR-3200/1680C

- 32 Channel half D1 resolution 960fps(N), 800fps(P) recording
- 16 Channel D1 resolution 480fps(N), 400fps(P) recording
- Multi-stream support
- Powerful CMS support standard
- 16 channel audio recording
- Built-in DVD Writer, up to 6 multi-monitor (SVR-3200)
- Convenient Thumbnail/Bookmark search modes
- PTZ control using coax cable (SVR-1680C)



High Quality Recording SVR-1660C/1645

- 16 Channel 480fps(N), 400fps(P) real-time recording
- Multi-stream support (SVR-1660C)
- Powerful CMS support standard
- 16 channel audio recording, Various search modes
- Built-in DVD Writer, ATM/POS text recording
- PTZ control using coax cable (SVR-1660C)



Versatile System SVR-960C/945

- 9 Channel 270fps(N), 225fps(P) real-time recording
- Powerful CMS support standard
- Fast back up with DVD writer (SVR-960C)
- Convenient Thumbnail/Bookmark search modes
- ATM/POS text recording
- PTZ control using coax cable (SVR-960C)



Super Vision DVR 32Ch/16Ch/9Ch

SVR-3200/1680C/1660C/1645/960C/945



Specifications

	SVR-3200	SVR-1680C	SVR-1660C	SVR-1645	SVR-960C	SVR-945
DISPLAY						
Video	Inputs	32 Composite video 0.5-2 Vpp, 75 ohm automatic termination	16 Composite video 0.5-2 Vpp, 75 ohm automatic termination	9 Composite video 0.5-2 Vpp, 75 ohm automatic termination		
	Resolution	NTSC : 704 x 480 / PAL : 704 x 576				
Live	Frame Rate	NTSC : 960fps / PAL : 800fps	NTSC : 480fps / PAL : 400fps	NTSC : 270fps / PAL : 225fps		
	Resolution	NTSC : 704 x 480 / PAL : 704 x 576				
Multi Screen Display	1 / 4 / 9 / 10 / 16 (To view 32 channels 2 x monitors are required.)				1 / 4 / 9	
	PERFORMANCE					
Compression	MPEG-4					
Record Rate	Up to 480fps@704 x 480(N)	Up to 480fps@704 x 480(N)	Up to 120fps@704 x 480(N)	Up to 120fps@704 x 480(N)	Up to 120fps@704 x 480(N)	
	Up to 960fps@704 x 240(N)	Up to 480fps@704 x 240(N)	Up to 240fps@704 x 240(N)	Up to 240fps@704 x 240(N)	Up to 240fps@704 x 240(N)	
	Up to 960fps@352 x 240(N)	Up to 480fps@352 x 240(N)	Up to 480fps@352 x 240(N)	Up to 270fps@352 x 240(N)	Up to 270fps@352 x 240(N)	
	Up to 400fps@704 x 576(P)	Up to 400fps@704 x 576(P)	Up to 100fps@704 x 576(P)	Up to 100fps@704 x 576(P)	Up to 100fps@704 x 576(P)	
	Up to 800fps@704 x 288(P)	Up to 400fps@704 x 288(P)	Up to 200fps@704 x 288(P)	Up to 200fps@704 x 288(P)	Up to 200fps@704 x 288(P)	
Recording	Up to 800fps@352 x 288(P)	Up to 400fps@352 x 288(P)	Up to 400fps@352 x 288(P)	Up to 225fps@352 x 288(P)	Up to 225fps@352 x 288(P)	
	Mode	Manual, Schedule, Event, Emergency				
Overwrite Modes	Continuous					
Pre-alarm	Up to 5sec					
Post-alarm	Up to 60sec					
Search & Playback	Date/Time, Event, Calendar, Thumbnail, Bookmark, Text (Exclusive viewer)					
Search Mode	REW, FWD, Frame advance (Control keys and jog shuttle)					
Transmission Speed	Up to 16Mbps			Up to 9Mbps		
Bandwidth Control	Automatic					
Multi Stream	MPEG-4 (Dual Stream) / JPEG			MPEG-4 / 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					
Maximum Capacity	Up to 16TB using external storage option			Up to 8TB using external storage option		
Internal HDD	Up to 4 SATA HDDs			Up to 2 SATA HDDs		
External HDD	Up to 2 expansion bay			Up to 1 expansion bay		
DVD Writer (Back up)	DVD-R / CD-R			N/A		
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					
INTERFACE						
VGA	Analog RGB 800 x 600, 1024 x 768, 1280 x 1024 resolution (SVR-3200 : 2 VGA)					
Monitors	Main Composite	BNC, 1 Vp-p, 75 ohm, Multi-screen, Menu, Playback			1 BNC, 1 Vp-p, 75 ohm, Multi-screen, Menu, Playback	
	Spot Composite	3 BNC, 1 Vp-p, 75 ohm, Multi-screen, Menu			1 BNC, 1 Vp-p, 75 ohm, Single-screen, Menu	
Loop Outputs	N/A	16 Composite video 1 Vpp, 75 ohm			9 Composite video 1 Vpp, 75 ohm	
Audio	Inputs	16 Line in, 30K ohm			9 Line in, 30K ohm	
	Output	1 Line, 100K ohm			1 Line, 100K ohm	
	Compression	ADPCM			ADPCM	
Sampling Rate	16KHz			16KHz		
Alarm	Inputs	Terminal 16 inputs, NO/NC			Terminal 9 inputs, NO/NC	
	Outputs	Terminal 4 relay outputs, NO/NC			Terminal 4 relay outputs, NO/NC	
Remote Notification	Notification via e-mail					
Ethernet	RJ-45 10/100 Base-T					
Serial Interface	RS-232C					
PTZ Control Interface	RS-485/422, via coax cable (SVR-1680C/1660C/960C)					
PTZ Keyboard	RS-485, Max. signal voltage ±12V					
USB	USB 2.0					
eSATA	2 External SATA ports			1 External SATA port		
Application Support	ATM/POS, Mouse, Remote controller					
Supported PTZ Cameras	Samsung Techwin, Pelco D, Pelco P, Pelco Coaxitron, Panasonic, Bosch, SEC					
GENERAL						
Input Voltage	100 ~ 240V AC ±10%, 50/60Hz, Autoranging					
Electrical	Power Consumption	Max. 66W (With 1X HDD)			Max. 66W (With 1X HDD)	
		Max. 130W (With 4X 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")				300 x 88 x 332mm (11.81" x 3.46" x 13.07")	
Mechanical	Weight	Approx. 11Kg (24.25 lb, 4X Hard Disks)			Approx. 5Kg (11.02 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					

* Some functions will be added to next firmware version.

Dimensions

Unit : mm



SVR-3200



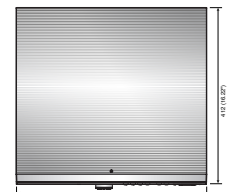
SVR-1680C



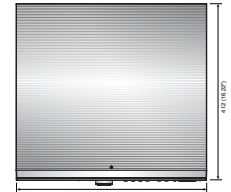
SVR-1660C



SVR-1645



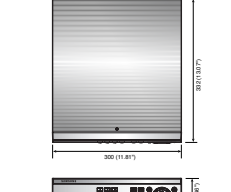
SVR-960C



SVR-945



SVR-945



SVR-945



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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