

# 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



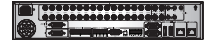
### Specifications

	SVR-3200	SVR-1680C	SVR-1660C	SVR-1645	SVR-960C	SVR-945
<b>DISPLAY</b>						
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	
<b>PERFORMANCE</b>						
	Compression	MPEG-4				
Recording	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 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 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 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 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)	
	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)				
	Playback Function	REW, FWD, Frame advance (Control keys and jog shuttle)			REW, FWD, Frame advance (Control keys)	
	Transmission Speed	Up to 16Mbps			Up to 9Mbps	
	Bandwidth Control	Automatic				
Network	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				
Storage	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)				
Security	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 (SVR-3200 : 2 VGA)				
	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				
	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				
	Serial Interface	RS-232C				
Connections	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				
<b>GENERAL</b>						
Electrical	Input Voltage	100 ~ 240V AC ±10%, 50/60Hz, Autoranging				
	Power Consumption	Max. 66W (With 1X HDD)			Max. 66W (With 1X HDD)	Max. 88W (With 2X HDD)
Environmental	Operating Temperature	+5°C ~ +40°C (+41°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		Spanish, French, German, Italian, Portuguese, Polish, Russian, Turkish, Japanese, Czech, Serbian, Swedish, Rumanian, Danish				

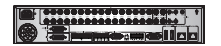
\* Some functions will be added to next firmware version.

### Dimensions

Unit : mm



SVR-3200



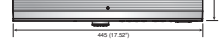
SVR-1680C



SVR-1660C



SVR-1645



SVR-960C



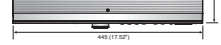
SVR-945



SVR-960C



SVR-945



SVR-960C



SVR-945



SVR-960C



SVR-945



SVR-960C



SVR-945



SVR-960C



SVR-945



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