

# Exceptional Performance and Stability

Samsung's SRN-4000 is a 64CH network video recorder that will allow the connection of up to 64 and 5MP cameras, 12 hot swap hard disc drives and redundant power supplies. While supporting high level functions such as RAID 5/6, 4 x gigabit ethernet ports and advanced video motion detection, it also supports a local monitor for ease of use, automatic camera registration, ONVIF cameras and mobile apps for smart phone and tablet connectivity.

## SRN-4000

### 64CH 400Mbps Premium Network Video Recorder

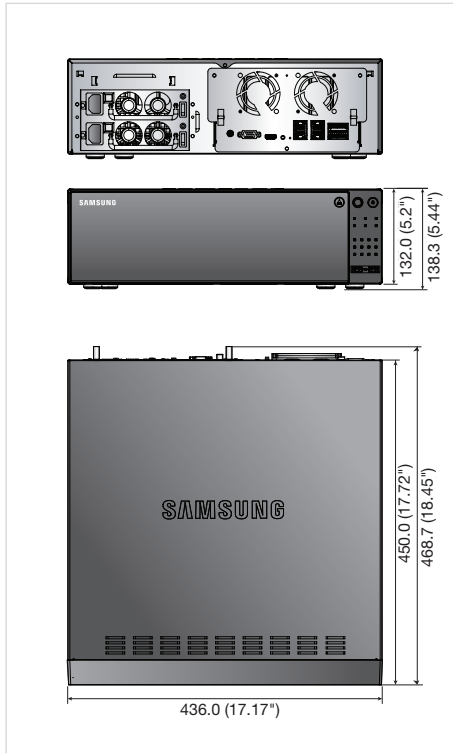
- Up to 64CH and 5MP supported
- 400Mbps network camera recording
- Max. 12 Hot swap HDDs (RAID 5/6)
- VGA/HDMI local monitor
- Redundant hot swap power supply





## Dimensions

Unit : mm (inch)



The Eco mark represents Samsung Techwin's will to create environment-friendly products, and indicates that the product satisfies the EU RoHS Directive.

## Specifications



		SRN-4000
<b>DISPLAY</b>		
N/W Camera	Inputs	Up to 64CH
	Resolution	CIF ~ 5M
Live	Protocols	Samsung, ONVIF
	Local Display	HDMI / VGA
	Multi Screen Display	[Local monitor] 1 / 4 / 9 / 16 / 1+5 / 1+7 / 1+12 / Sequence, [Web] 1 / 4 / 9 / 16 / 32 / 64 / Sequence
<b>PERFORMANCE</b>		
Operating System	Embedded	Linux
	Compression	H.264, MPEG-4, MJPEG
Recording	Recording Bit Rate	Max. 400Mbps (2M 64camera real-time recording)
	Resolution	CIF ~ 5M
	Mode	Manual, Schedule (Continuous / Event), Event (Pre / Post)
	Event Trigger	Alarm input, Video loss, Camera event (Sensor, MD, Video Analytics), VA (Upto 4ch selectable, Advanced MD, Object classification (People, Car))
Search & Playback	Event Action	E-mail, PTZ preset, Alarm out, Buzzer, Monitor out
	Playback Bandwidth	25Mbps (16CH simultaneously)
	Search Mode	Date & Time (Calendar) / Event log list
	Simultaneous Playback	[Local Monitor] : Max. 16CH, [CMS] : Max. 16CH, [Web] : Max. 4CH
Storage	Resolution	CIF ~ 5M
	Playback Function	Fast forward / backward, Move one step up / down
	Built-In	2TB 1ea
	Internal HDD	12ea (Hot swap), Max. 36TB
External	RAID	NAS (iSCSI) : vossRaid 1840i, Max. 192TB (JBOD)
	RAID	RAID-5/6
Back up	File Back up (Via Web)	[GUI] : BU / Exe, [Network] : JPG / AVI
	Function	Single channel play, Date-time/title display
Sensor	Input / Output	8 / 4 (NO/NC selectable)
	Input	64CH (Network)
Alarm	Compression	G.711, G.726
	Audio Communication	2-way
<b>NETWORK</b>		
Ethernet		RJ-45, Gigabit Ethernet x 4
Protocol Support		TCP/IP, UDP/IP, RTP (UDP), RTP (TCP), RTSP, NTP, HTTP, DHCP, PPPoE, SMTP, ICMP, IGMP, ARP, DNS, DDNS, UPnP, ONVIF, HTTPS, SNMP
DDNS		Samsung iPOLIS DDNS
Network	Total Throughput Bandwidth	Max. 700Mbps
	Transmission Bandwidth	Max. 400Mbps
Max. Remote Users		Search 1 / Live unicast 10 / Live multicast 20
IP		IPv4/v6
Security		IP address filtering, User access log, 802.1x authentication, Encryption
Language		English, French, German, Italian, Spanish, Russian, Turkish, Polish, Dutch, Swedish, Czech, Portuguese, Danish, Rumanian, Serbian, Croatian, Hungarian, Greek, Norwegian, Finnish, Korean, Chinese, Japanese, Thai
OS		Window XP (service pack 2 or above), Vista, 7, 8, Mac OS X (10.4.8 or above)
Web Browser		MS IE 8.x, 9.x, Google Chrome, Mac Safari, Firefox 2.x, 3.x
Viewer Software	Type	Webviewer, SmartViewer
	CMS Support	SDK / CGI
OS		Android, iOS
Smart Phone	Protocol Support	RTP, RTSP, HTTP, CGI
	Max. Remote Users	Live 10, Playback 1
<b>FUNCTIONS</b>		
Camera Setup	Register	Auto, Manual
	Setup Items	1) IP address, Add profile edit, Bitrate, Compression, GOP, Quality 2) Video Setup (MD, ABF, Brightness/Contrast, Flip/Mirror, IRIS, WDR, D&N, SSSNR, Shutter)
PTZ	Control	Via GUI, Webviewer
	Preset	256 presets
System Control		Mouse
<b>INDICATOR / INTERFACE</b>		
Front	Indicator	LED status indicator : HDD action 12, RAID status 1, Alarm 1, Power 1, Record 1, Back up 1, Network 1
	Switch	PWR switch 1ea, Key-lock 1ea
Connections	VGA	1ea
	HDMI	1ea
	Audio	Out (1ea, RCA, Line)
	Ethernet	RJ-45 4ea (GbE) w/ LINK/ACT LED
	Alarm	In 8ea (Terminal block) / Out 4ea (Terminal block)
	USB	Front 2ea
	Reset	Switch 1ea
Power Cord	AC inlet 2ea	
<b>SYSTEM</b>		
Log	Log List	Max. 20000 (System Log, Event Log, Back up Log Each)
<b>GENERAL</b>		
Electrical	Input Voltage / Current	100 ~ 240V AC ±10%, 50/60Hz, 3 ~ 1.5A (Dual SMPS)
	Power Consumption	Max 187W (546 BTU with 1TB 12 HDDs)
Environmental	Operating Temperature	+0°C ~ +40°C (+32°F ~ +104°F)
	Operating Humidity	20% ~ 85% RH
Mechanical	Color / Material	Black / Metal
	Dimensions (WxHxD)	436.0 x 132.0 x 450.0mm (17.17" x 5.2" x 17.72") (3U)
Approvals	Weight	Approx. 11.8kg (14.77 lb) (Without HDD)
	Safety	UL
	EMC	CE, FCC, KCC, CCC, Gost-R

Design and specifications are subject to change without notice.

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