

Exceptional Performance and Stability



SRN-4000

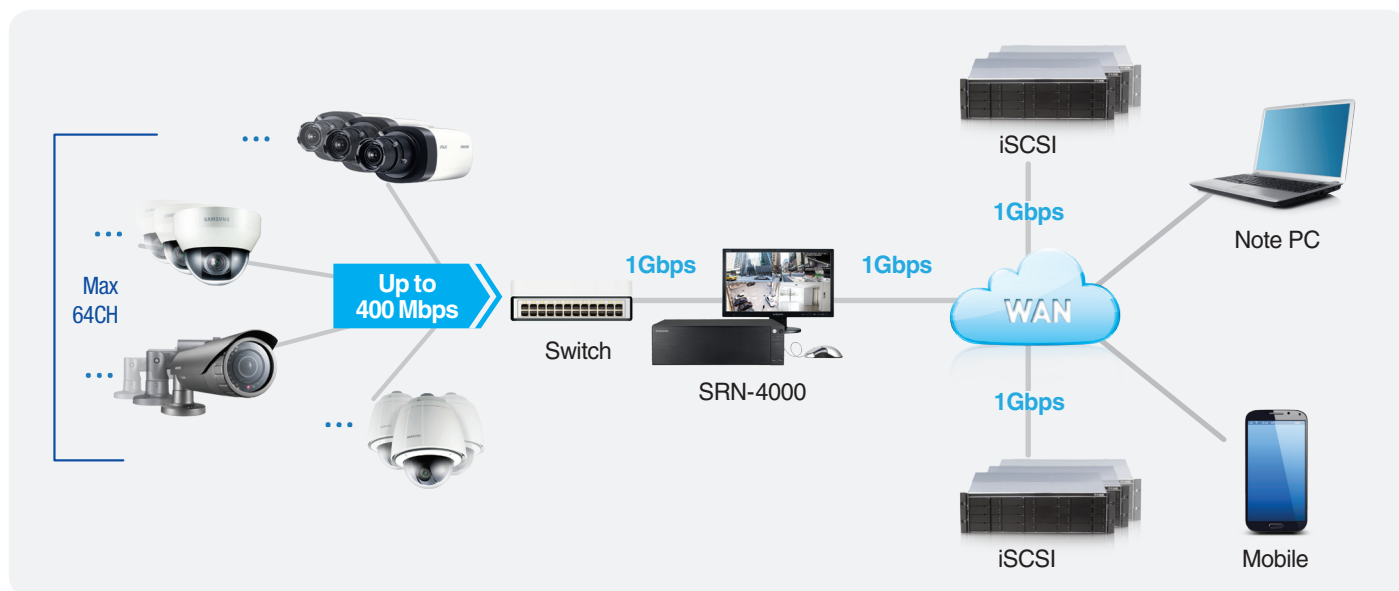
64CH Network Video Recorder

MAX. 400Mbps Recording Bit Rate

- Max 5MP resolution and up to 64CH support
 - 2Megapixel x 64 Channel real-time recording

Location Independent Data Storage

- iSCSI (Internet Small Computer System Interface)
 - Maximum 76HDDs (max. 3TB/each)



Zero Downtime! Secure All Data

- RAID 5/6 Support
 - Prevent any data loss as striped blocks and distributed parity
- Hot Swap
 - Stable storage and power supply with alarm alerts

Replace HDDs while still recording



Replaceable Front HDD Bays: up to 12ea (3TB/each)

Dual SMPS



Redundant power supply

PC-LESS! Easy Installation and Operation

- ONLY 4 steps to Install or Register cameras
- Directly connect a monitor and mouse
 - Control camera registrations/settings and search for video data without the need for a PC

Intelligent Data Search

Combine Video Analytics and Meta-data

>> Heat Map

- Statistically analyze concentrated spots in a matrix as colors.



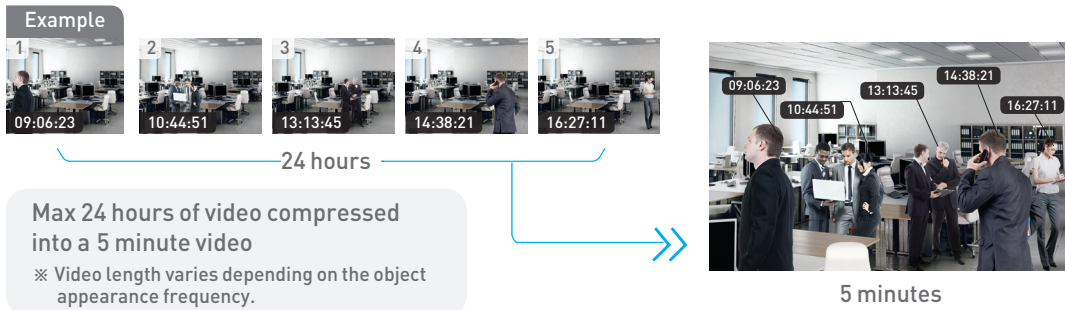
Search:Vehicle



Search:people

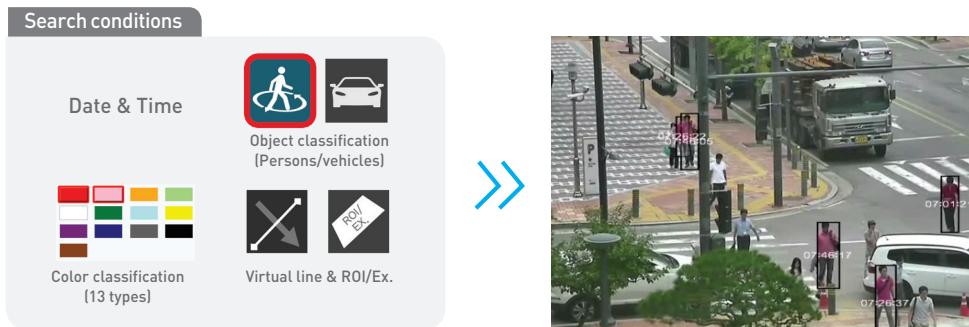
>> Video Summary

- Quickly browses through a recorded video to enable rapid search.
- Video compression
 - Hours of video recordings are compressed into minutes, displaying events simultaneously which have happened at a different time.



▪ Classification

- Maximize efficiency by various searching conditions such as object(person, vehicle)/color classification and virtual line/ROI



Search : Person, color

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64CH 400Mbps Premium Network Video Recorder

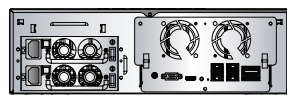
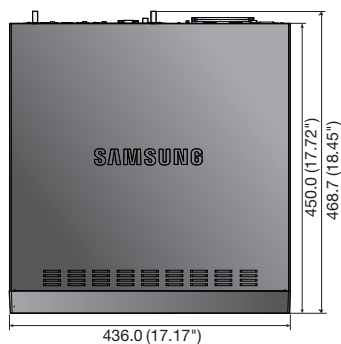


Key Features

- Up to 64CH and 5M supported
- 400Mbps network camera recording
- Max. 12 hot swap HDDs (RAID 5/6)
- VGA/HDMI local monitor
- iSCSI storage supported
- Redundant hot swap power supply
- Video summary search supported

Dimensions

Unit : mm (inch)



SRN-4000		
DISPLAY		
N/W Camera	Inputs	Up to 64CH
	Resolution	CIF ~ 5M
	Protocols	Samsung, ONVIF
Live	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
PERFORMANCE		
Operating System		Embedded Linux
Recording	Compression	H.264, MPEG-4, MJPEG
	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 (Up to 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)
	Mode	Date & Time (Calendar) / Event log list / Text search (POS) / Video summary search *By directions, types & colors of objects
	Simultaneous Playback	16CH (Local monitor, CMS), 4CH (Web)
	Resolution	CIF ~ 5M
Storage	Playback Function	Fast forward / backward, Move one step up / down
	Max. Internal HDDs	12 SATA (Hot swap), Max. 72TB (Non-RAID mode)
	External RAID	iSCSI storage : vlessRAID (1840i, 2600i), Max. 192TB (JBOD)
Backup	File Backup (Via Web)	BU/Exe (GUI), JPG/AVI (Network)
	Function	Max. 16CH playback, Date-time/title display
Sensor	Input / Output	8 / 4 (NO/NC selectable)
	Input	64CH (Network)
Audio	Compression	G.711, G.726
	Audio Communication	2-way
NETWORK		
Interface		RJ-45, Gigabit Ethernet x 4
Protocol Support		TCP/IP, UDP/IP, RTP (UDP), RTP (TCP), RTSP, NTP, HTTP, DHCP (Server, Client), PPPoE, SMTP, ICMP, IGMP, ARP, DNS, DDNS, uPnP, HTTPS, SNMP, ONVIF (Profile-S)
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 / IPv6
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		Supported OS : Window XP (Service pack 2 or above), Vista, 7, 8, Mac OS X (10.7 or above)
Web Browser		Microsoft Internet Explorer (Updated Ver. 8 ~10, IE 9 or above recommended), Mozilla Firefox (Ver. 19.x or above), Google Chrome (Ver. 26.x or above), Apple Safari (Ver. 6.0.3 or above)
Viewer Software	Type	SSM, Webviewer, SmartViewer, iPOLiS Mobile Viewer
	CMS Support	SDK / CGI (SUNAPI)
Smart Phone	Support Model	Android, iOS
	Protocol Support	RTP, RTSP, HTTP, CGI (SUNAPI)
	Control	Live 9CH, Playback 1CH
	Max. Remote Users	Live 10, Playback 1
FUNCTIONS		
Camera Setup	Register	Auto, Manual
	Setup Items	IP address, Add profile edit, Bitrate, Compression, GOP, Quality, Camera MD setup, Camera video setup (Simple focus, Brightness/Contrast, Flip/Mirror, IRIS, WDR, D&N, SSNR, Shutter, SDR, DIS)
PTZ	Control	Via GUI, Webviewer, SPC-2000
	Preset	255 presets
System Control		Mouse
INDICATOR / INTERFACE		
Front	Indicator	LED status indicator : HDD action 12, RAID status 1, Alarm 1, Power 1, Record 1, Backup 1, Network 1
	Switch	PWR switch 1ea, Key-lock 1ea
Connections	VGA	1ea
	HDMI	1ea
	Audio	Out (1ea, RCA, Line)
	Ethernet	4 RJ-45, 10/100/1000 Base-T
	Alarm	In 8ea (Terminal block) / Out 4ea (Terminal block)
	USB	2ea (Front)
	Reset	Switch 1ea
Power Cord		2ea AC Inlet
SYSTEM		
Log	Log List	Max. 20000 (System log, Event log each)
GENERAL		
Electrical	Input Voltage / Current	100 ~ 240V AC $\pm$ 10%, 50/60Hz, 3 ~ 1.5A (Dual SMPS)
	Power Consumption	Max. 217W (740 BTU with 2TB HDD 12ea)
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)
	Weight	11.8Kg (26.01 lb) (HDD not included)
Approvals	Safety	UL
	EMC	CE, FCC, CCC, Gost-R

* Firmware v2.10 or later

* The latest product information / specification can be found at www.samsungsecurity.com