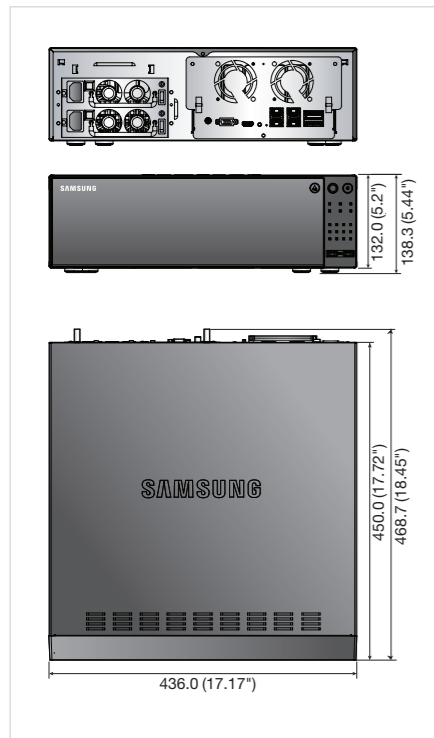




**Dimensions**



M.H-1312

**Specifications**

		SRN-4000
<b>DISPLAY</b>		
N/W Camera	Inputs Resolution	Up to 64CH 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
<b>PERFORMANCE</b>		
Operating System	Embedded	Linux
	Compression	H.264, MPEG-4, MJPEG
	Recording Bit Rate	Max. 400Mbps (2M 64camera real-time recording)
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))
	Event Action	E-mail, PTZ preset, Alarm out, Buzzer, Monitor out
Search & Playback	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
	Resolution	CIF ~ 5M
	Playback Function	Fast forward / backward, Move one step up / down
Storage	Built-In	2TB 1ea
	Internal HDD	12ea (Hot swap), Max. 36TB
	External	NAS (iSCSI) : vesaRaid 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)
Alarm	Input	64CH (Network)
	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, HTTP, 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, SSNR, 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
	VGA	1ea
	HDMI	1ea
	Audio	Out (1ea, RCA, Line)
Connections	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
	Color / Material	Black / Metal
Mechanical	Dimensions (WxHxD)	436.0 x 132.0 x 450.0mm (17.17" x 5.2" x 17.72") (3U)
	Weight	Approx. 11.8Kg (14.77 lb) (Without HDD)
Approvals	Safety	UL
	EMC	CE, FCC, KCC, CCC, Gost-R

Design and specifications are subject to change without notice.

# Exceptional Performance and Stability

## SRN-4000 64CH Network Video Recorder



**SAMSUNG TECHWIN CO., LTD.**

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## MAX. 400Mbps Recording Bit Rate

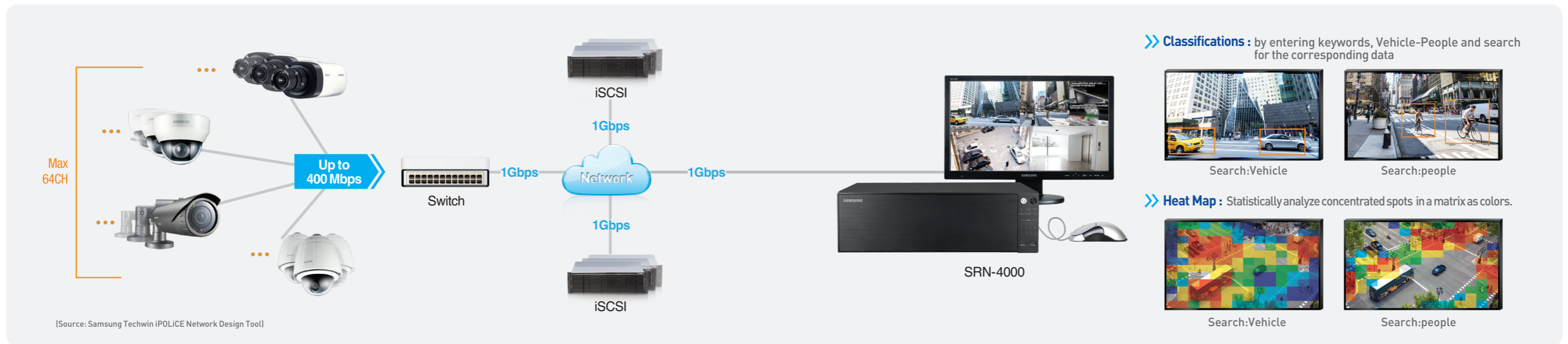
- Max 5MP resolution and up to 64CH support
- 2Megapixel x 64 Channel real-time recording

## Location Independent Data Storage

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

## Intelligent Data Search

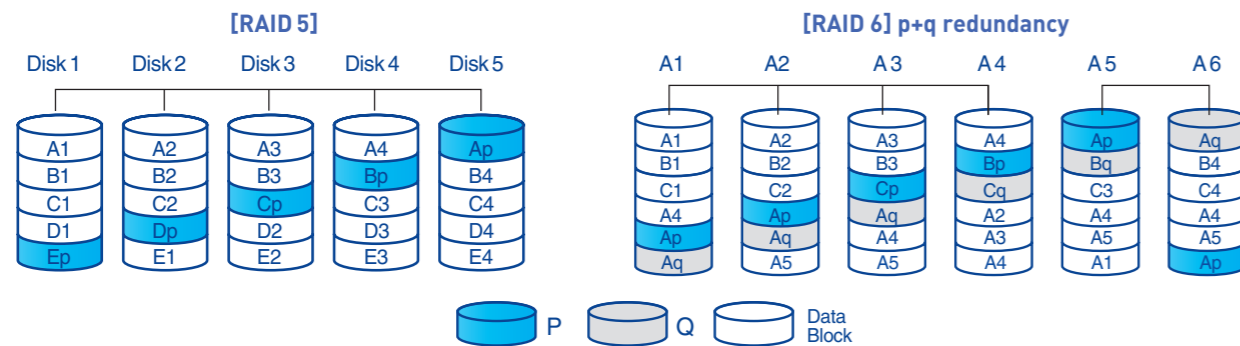
- Combine Video Analytics and Meta-data



## Zero Downtime! Secure All Data

### RAID 5/6 Support

- Prevent any data loss as striped blocks and distributed parity
- \* 1 array = max. 6 internal disks



### 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

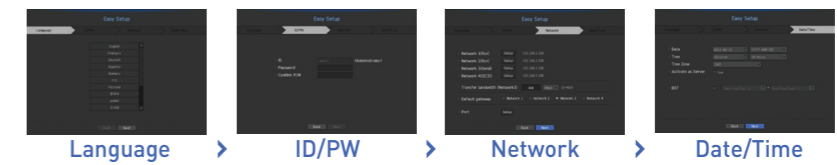


Redundant power supply

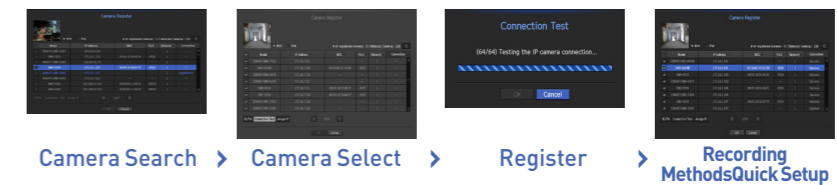
## PC-LESS! Easy Installation and Operation

### ONLY 4 steps to Install or Register cameras

- Easy Setup Wizard :



- Quick Setup Wizard :



### Directly connect a monitor and mouse

- Control camera registrations/settings and search for video data without the need for a PC

### Customized User Layouts: register up to 100 people categorized by security groups

