

# SRN-4000



64CH 400Mbps Premium Network Video Recorder

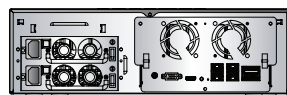
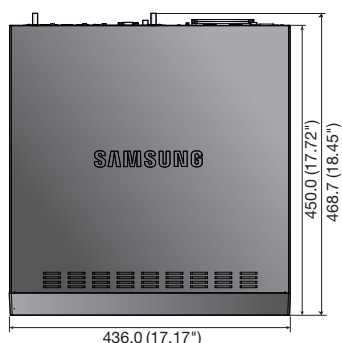


## Key Features

- Up to 64CH and 5MP 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

## Dimensions

Unit : mm (inch)



|                              |                                 | SRN-4000   |
|------------------------------|---------------------------------|--|
| <b>DISPLAY</b>               |                                 |  |
| 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<br>[Web] : 1 / 4 / 9 / 16 / 32 / 64 / Sequence  |
| <b>PERFORMANCE</b>           |                                 |  |
| 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 (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 HDD                    | 2TB 1ea  |
|                              | Max. Internal HDDs              | 12ea (Hot swap), Max. 36TB   |
| Back up                      | External RAID                   | NAS (iSCSI) : vesaRaid 1840i, Max. 192TB (JBOD)<br>RAID-5/6  |
|                              | File Back up (Via Web) Function | [GUI] : BU / Exe, [Network] : JPEG / AVI<br>Single channel play, Date-time / Title display   |
| Sensor                       | Input / Output                  | 8 / 4 (NO/NC selectable)   |
|                              | Audio                           | 64CH (Network)   |
| Audio                        | Compression                     | G.711, G.726   |
|                              | Audio Communication             | 2-way  |
| <b>NETWORK</b>               |                                 |  |
| Interface                    |                                 | RJ-45, Gigabit Ethernet 4ea  |
| 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 / 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                           |                                 | 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   |
| Smart Phone                  | 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<br>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  |
| Connections                  | Audio                           | Out (1ea, RCA, Line)   |
|                              | Ethernet                        | RJ-45 Gigabit Ethernet 4ea<br>[Camera 1] : 1ea, [Camera 2] : 1ea, [Viewer] : 1ea, [iSCSI] : 1ea  |
|                              | Alarm                           | In 8ea (Terminal block) / Out 4ea (Terminal block)   |
|                              | USB                             | 2ea (Front)  |
|                              | 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, 4 ~ 1.5A (Dual SMPS)  |
|                              | Power Consumption               | Max. 217W (546 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                          | 12.44Kg (27.43 lb) (2TB HDD 1ea included)  |
| Approvals                    | Safety                          | UL   |
|                              | EMC                             | CE, FCC, KCC, CCC, Gost-R  |

\* The latest product information / specification can be found at [www.samsungsecurity.com](http://www.samsungsecurity.com)