

SRN-472S 4-CHANNEL NETWORK VIDEO RECORDER WITH POE SWITCH

TECHNICAL SPECIFICATIONS

SECURITY SYSTEM

DIVISION – 28 ELECTRONIC SAFETY AND SECURITY

LEVEL 1 28 20 00 ELECTRONIC SURVEILLANCE

LEVEL 2 28 23 00 VIDEO SURVEILLANCE

LEVEL 3 28 23 29 VIDEO SURVEILLANCE REMOTE DEVICES AND SENSORS

1.01 GENERAL

- A. All equipment and materials used shall be standard components that are regularly manufactured and used in the manufacturer's system.
- B. All systems and components shall have been thoroughly tested and proven in actual use.
- C. All systems and components shall be provided with an explicit manufacturer warranty.

1.02 SRN-472S 4-CHANNEL NETWORK VIDEO RECORDER WITH POE SWITCH

- A. The network video recorder (NVR) shall support up to 4 network cameras and shall be compatible with ONVIF compliant network cameras. The NVR will have the throughput of 32mbps for recording and 32mbps for network transmission
- B. The NVR shall support H.264 and MJPEG Multiple codec.
- C. The NVR shall support the iPolis mobile viewer for iPhone and Android phone

1.03 DISPLAY

- A. N/W Camera
 - 1. Inputs Up to 4 network camera support
 - 2. Resolution CIF ~ 5M
 - 3. Protocols Samsung, ONVIF
- B. LIVE
 - 1. Local Display HDMI / VGA
 - 2. Multi Screen Display Local monitor : 1, 4, Auto sequence
Web : 1, 4, Auto sequence

1.04 PERFORMANCE

- A. OS Embedded Linux
- B. Recording
 - 1. Compression H.264, MJPEG
 - 2. Recording Bit Rate Max. 32Mbps (2M 4CH real-time recording)
 - 3. Mode Normal, Scheduled, Event (Pre/Post)
 - 4. Event Trigger Alarm input(4), Video loss, Camera event (Sensor, MD, Video analytics)
 - 5. Event Action E-mail, PTZ preset, Alarm out, Buzzer, Monitor out
 - 6. Resolution CIF ~ 5M
- C. Search & Playback
 - 1. Playback bandwidth 32Mbps(4Ch simultaneously)
 - 2. Mode Date & Time (Calendar) / Event log list
 - 3. Simultaneous Playback 4CH(Local monitor, CMS), 4CH(Web,CMS)
 - 4. Resolution CIF ~ 5M
 - 5. Playback Function Fast forward, backward, Move one step up/ down
- D. Network
 - 1. Transmission speed Min. 32Mbps
 - 2. Remote users 3 Search, 10 Live Unicast, 20 Live Multicast
 - 3. Protocol support TCP/IP, UDP/IP, RTP (UDP), RTP (TCP), RTSP, NTP, HTTP, DHCP (Server, Client), PPPoE, SMTP, ICMP, GMP, ARP, DNS, DDNS, uPnP, HTTPS, SNMP, ONVIF (Profile-S)

4. Viewer Software	Type : SSM, Webviewer, SmartViewer CMS support : Support SDK / CGI
5. DDNS	Samsung Ipolis, DDNS
6. IP	IPv4/v6
7. Security	IP address Filtering, User access log, 802.1x authentication, Encryption
8. 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
9. OS	Supported OS : Window XP (service pack 2 or above), Vista, 7, 8, Mac OS X (10.7 or above)
10. Web Browser	[Internet Explorer] : ver.8 ~ 11, [Firefox] : ver.19.x or above [Chrome] : ver.26.x or above, [Safari] : ver.6.0.3 or above (OSX 10.6 or above)
11 Smart Phone	Platform : Android, IOS Max. Remote Users : Live 4, Playback 1
E. Storage	
1. Built-in	1ea
2. Internal HDD	2ea (Fixed)
3. Capacity	internal max. 8TB
F. Back up	
1. File Back up	[USB] : BU/Exe, [Web, CMS] : JPEG, AVI
2. Function	Single channel play, Date-time/title display
G. Sensor	4 / 3 (NO/NC selectable)
H. Audio	Input : 4CH(Network), compression : G.711, G.726 Audio Communication : 2-Way
1.05 INTERFACE	
A. Front	
1. Indicator	Power status LED 1ea, HDD action LED 1ea, Alarm status LED 1ea, Record status LED 1ea, Network action LED 1ea, Back up LED 1ea
2. USB	2ea
B. Alarm	
1. Inputs	Terminal 4 inputs (Terminal block)
2. Outputs	Terminal 3 outputs (Terminal block)
C. Connections	
1. Ethernet	2ea(100Mbps) + PoE 4ea(10/100Mbps)
2. Audio	Out 1ea(RCA, Line)
3. HDMI/VGA	1ea / 1ea
4. Power cord	1ea AC inlet
1.06 FUNCTIONS	
A. Camera Setup	
1. Register	PnP mode, Manual mode
2. Setup Items	IP Address, Add Profile Edit, Bitrate, Compression, GOP, Quality, Video Setup (MD, VA, ABF, Brightness/Contrast, Flip/Mirror, IRIS, WDR, D&N, SSNR, Shutter)
B. PTZ	
1. Control	Via GUI, Webviewer
2. Preset	255
3. System Control	Mouse, IR Remocon

1.07 SYSTEM

1. Log

Log list : System log(Max. 20000)
Event log(Max. 20000)

1.08 GENERAL

A. Electrical

- | | |
|--------------------------|---|
| 1. Input Voltage/Current | 100 ~ 240V AC / 3.5A 50Hz/60Hz |
| 2. NVR Power consumption | Max 30W(With 1TB HDD 1ea) |
| 3. Camera Power Output | 15.4W per Channel, Total 61.6W(PoE, IEEE 802.3af) |

B. Environmental

- | | |
|--------------------------|-------------------------------|
| 1. Operating Temperature | +0°C ~ +40°C (+32°F ~ +104°F) |
| 2. Operating Humidity | 20% ~ 85% RH |

C. Mechanical

- | | |
|---------------------------|--|
| 1. Dimensions(WxHxD) | 370.0 x 44.0 x 320.0mm(14.57" x 1.73" x 12.6")(1U) |
| 2. Weight(1 x Hard Disks) | Approx. 2.73Kg(6.02lb) without HDD |
| 3. Color / Material | Black / Metal |

D. Approvals

- | | |
|-----------|---------------------------|
| 1. Safety | UL, KC |
| 2. EMC | CE, FCC, KCC, CCC, Gost-R |