

SRN-6450 64-CHANNEL NETWORK VIDEO RECORDER

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

PART 2 – PRODUCTS

2.01 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.

2.02 SRN-6450 64-CHANNEL NETWORK VIDEO RECORDER

- A. The video recorder shall support up to 64 channels with CIF high resolution images at 1920fps in NTSC and 1600fps in PAL, in real-time.
- B. The video recorder shall support H.264, MPEG-4, MJPEG multiple codec.
- C. The video recorder shall provide storage of up to 20TB using external storage option.

2.03 DISPLAY

- A. N/W Camera
 - 1. Inputs up to 64 channels (CIF 1920/1600fps)
 - 2. Resolution VGA, 4CIF, 1.3M
- B. Web Support
 - 1. Live 1, 4, 9, 16, 32, 64, Sequence
 - 2. Search 1 channel
- C. Language English

2.04 PERFORMANCE

- A. Recording
 - 1. Compression H.264, MPEG-4, MJPEG
 - 2. Recording Bit Rate 48 Mbps (Up to 5Mbps for each camera)
 - 3. Record Rate NTSC
 - Up to 320fps @ 1.3M
 - Up to 1280fps @ 4CIF
 - Up to 1920fps @ 2CIF, CIF
 - 4. Record Rate PAL
 - Up to 320fps @ 1.3M
 - Up to 1152fps @ 4CIF
 - Up to 1600fps @ 2CIF, CIF
 - 5. Mode Manual, Schedule (Normal/Event)
 - 7. Overwrite modes Continuous
 - 8. Pre-alarm Up to 5 seconds
 - 9. Post-Alarm Up to 60 seconds
- B. Search & Playback
 - 1. Search mode Time, Event, Calendar
 - 2. Playback function Rewind, Forward (depends on CMS)

C. Network

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|----------------------|---|
| 1. Bandwidth control | Automatic transmission control |
| 2. Remote users | 5 users simultaneously |
| 3. Protocol support | TCP/IP, DHCP, DNS, DDNS, HTTP, ARP, ICMP, NTP, RTP/RTCP, RTSP |
| 4. Monitoring | CMS Software NET-I, Built-in webserver |

D. Storage

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|--------------------------|---|
| 1. Capacity | Up to 20TB using external storage option |
| 2. RAID | Normal |
| 3. Internal HDD | Up to 4 expansion bays (up to 4 HDD each) |
| 4. NAS | Up to 4 NAS connections (CIFS, Samba) |
| 5. File Format (Back-up) | BU (NVR Player), EXE (includes player) |

E. Security

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| 1. Password Protection | 2 user levels |
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2.05 INTERFACE

A. Monitors

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|-------------------|---------------------|
| 1. Dot matrix LCD | 20x2 status display |
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B. Alarm

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|------------------------|---------------------------------------|
| 1. Inputs | Screw terminal 2 inputs, NO/NC |
| 2. Output | Screw terminal 2 relay outputs, NO/NC |
| 3. Remote notification | Notification via e-mail |

C. Connections

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|---------------------|--|
| 1. Ethernet | 3 (RJ45 10/100/1000 Base-T), 1 (RJ-45 100Base-T) |
| 2. Serial Interface | RS-232C |
| 3. USB | 2 USC 2.0 ports (firmware upgrade) |
| 4. eSATA | 4 external SATA ports |

D. IP Camera Protocols

Samsung, AXIS
(For AXIS camera support, only VAPIX MPEG-4 models are supported with limited functions)

2.06 ELECTRICAL

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|--------------------------|--|
| A. Input Voltage/Current | 100 ~ 240V AC $\pm 10\%$, 50/60Hz, Auto ranging |
| B. Power consumption | max. 100W (with 1x HDD), 130W (with 4x HDD) |

2.07 ENVIRONMENTAL

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|--------------------------|---------------------------------|
| A. Operating Temperature | +5°C to +40°C (+41°F to +104°F) |
| B. Operating Humidity | 0% to 60% RH |

2.08 MECHANICAL

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|-------------------------|--|
| A. Dimension | 430 x 88 x 501mm (16.92 x 3.46 x 19.73") |
| B. Weight w/ hard disks | Approx. 11kg (24.25 lbs.) |
| C. Rack mount kit | to mount one unit in EIA19 inch rack |

2.09 CERTIFICATIONS

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|---|
| A. UL Listed |
| B. UL Listed to Canadian safety standards |
| C. CE mark |
| D. FCC mark |

2.10 WARRANTY

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| A. 3 years, parts and labor. |
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