

SRM-872 8-CHANNEL MOBILE 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

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 SRM-872 8-CHANNEL MOBILE NETWORK VIDEO RECORDER

- A. The mobile network video recorder (NVR) shall support up to 8 network cameras and shall be compatible with ONVIF compliant network cameras. The NVR will have the throughput of 64mbps for recording and 64mbps for network transmission
- B. The NVR shall support H.264 and MJPEG Multiple codec.

1.03 DISPLAY

- A. N/W Camera
 - 1. Inputs Up to 8 network camera support
 - 2. Resolution CIF, VGA, 4CIF, 1.3M, 2M, 3M
 - 3. Protocols Samsung, ONVIF
- B. LIVE
 - 1. Local Display HDMI / VGA
 - 2. Multi Screen Display 1 / 4 / 9 / Sequence, 8x D-zoom

1.04 PERFORMANCE

- A. OS Embedded Linux
- B. Recording
 - 1. Compression H.264, MJPEG
 - 2. Recording Bit Rate 64Mbps
 - 3. Resolution CIF ~ 3M
 - 4. Mode Manual, Schedule (Continuous/Event), Event (Pre/Post)
 - 5. Event Trigger Alarm input(8), Video loss, IP Camera event(Sensor, MD, Video Analytics)
 - 6. Event Action E-mail, Alarm out
- C. Search & Playback
 - 1. Search mode Date/time(calendar), Event log list
 - 2. Playback function Fast Forward/Backward, Move one step up, Move one step down
 - 3. Playback bandwidth 64Mbps(8Ch simultaneously)
 - 4. Simultaneous Playback 8CH@1280x720(1M) / 4CH@1920x1080(2M)
4CH 80fps@2048x1536(3M) / 1CH
60fps@1920x1080(2M)
 - 5. Resolution CIF ~ 3M
 - 6. Playback Function Fast forward, backward, Move one step up/ down
- D. Storage
 - 1. Built-in HDD 2.5" HDD 1ea(SSD Compatible)
 - 2. Max. internal HDD 1ea, Max. 1TB(Hot swap)
 - 3. Flash Memory Micro SD 1ea, Max. 32GB

E. Back up	
1. File back up(Via Web)	[GUI] : BU / Exe, [Network]:JPEG / AVI
2. Function	Single channel play, date-time / Title display
F. Sensor	
1. I/O	8 / 4(NO / NC selectable)
G. Audio	
1. Inputs	8CH(Network)
2. Compression	G.711, G.726
3. Audio Communication	2-way
H. Network	
1. Interface	RJ-45, Gigabit Ethernet x 12ea(Total) IP CAM data in / Power out : 8ea, Control boc] : 1ea Network : 1ea, IO box 1 : 1ea, IO box 2 : 1ea
2. Transmission speed	Total Throughput Bandwidth Max : 64Mbps Transmission Bandwidth Max : 64Mbps
3. Remote users	3 Search, 10 Live Unicast, 20 Live Multicast
4. Protocol support	TCP/IP, DHCP, PPPoE, SMTP, NTP, HTTP, DDNS, RTP, RTSP
5. Viewer Software	Type : Webviewer, SmartViewer auto, iPOLIS auto CMS support : SDK
6. Security	Password, Watermark
7. Smart Phone	OS : Android, iOS
8. IP	Protocol Support : RTP, RTSP, HTTP, CGI IPv4 / IPv6
9. Language	English, French, German, Spanish, Italian, Korean, Russian, Swedish, Denish, Portuguese, Czech, Polish, Turkish, Rumanian, Serbian, Dutch, Croatian, Hungarian, Greek, Finnish, Norwegian
10. Web Browser	IE 7.x ~ IE 9.x, IE 10
11. OS	Window : XP SP2 or above, Vista, 7, 8 / Mac OS : OSX 10.4.8 or above
F. Function	
1. Power Management	Shutdown Delay : 1 min ~ 30 min(User selectable)
1.05 INDICATR / INTERFACE	
A. Front	
1. LED Indicator	Power 1, Error 1, Record 1
B. Connections	
1. HDMI / VGA	1ea
2. Audio	Out 2ea(Total), Main unit : Phone jack 1ea, Control box : RCA 1ea
3. Ethernet	RJ-45 Gigabit Ethernet 12ea (Total) Network : 1ea, Control box : 2ea, I/O box : 1ea, PoE : 8ea
4. Alarm	In / Out - 8ea (Terminal block, NO / NC selectable)
5. USB	Front 3ea
6. GPS	MCX 1ea
7. Power Cord	Square 4pin connector 1ea
1.06 SYSTEM	
A. Log	
1. Log List	Max. 20000 (System log, Event log, Back up log each)

1.07 GENERAL

A. Electrical

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|----------------------|---|
| 1. Input Voltage | 12 ~ 24V AC |
| 2. Power consumption | Total : max. 89W, Main unit : max. 25W
Camera : Max. 64W (Max. 8W per channel, IEEE 802.3af class 2) |

B. Environmental

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|--------------------------|--------------------------------|
| 1. Operating Temperature | -25°C ~ +50°C (-13°F ~ +122°F) |
| 2. Operating Humidity | 20% ~ 85% RH |

C. Mechanical

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|---------------------------|--|
| 1. Dimensions(WxHxD) | Main unit : 225.5 x 59.0 x 311.4mm
(8.88" x 2.32" x 12.26") (1 DIN, Without bracket)
Control box : 121.0 x 32.0 x 75.0mm
(4.76" x 1.26" x 2.95")
I/O box : 155.0 x 44.0 x 70.0mm
(6.1" x 1.73" x 2.76") |
| 2. Weight(1 x Hard Disks) | Main unit : 2.16Kg (4.76 lb) (Without HDD)
Control box : 0.18Kg (0.4 lb),
I/O box : 0.35Kg (0.77 lb) |

D. Approvals

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| 1. EMC / Safety | CE, FCC (Class A), cUL, e-Mark |
| 2. EMC(Railway) | EN50121-3-2 |
| 3. Shock / Vibration (Railway) | EN61373 |
| 4. Safety(Railway) | EN50155 |
| 5. EMC(Railway) | EN50121-4 |
| 6. Shock(Functional Test) | MIL STD-810F method 516.5 procedure I |
| 7. Vibration | MIL STD-810F method 514.5 |