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## **Rapid IP-Based Modular Surveillance System (RIMSS)**

Simple and rapid setup of IP based video surveillance has never been easier with the introduction of the RIMSS. RIMSS allows the installation of either a portable or permanent IP based video surveillance system using any NTSC compatible cameras (CCTV or IR), two way audio links, and remotely controlled contact closures (lights, illuminators, alarms) throughout a building, facility, campus, or military/commercial installation within hours. Environmentally resistant Video Audio Data Network (VADN) nodes are distributed throughout the area to create an IP video and data infrastructure. The VADN nodes which are interconnected via standard network cabling or wireless links collect video, audio and data signals and transport them to a Surveillance Base Station (SBS). The surveillance base station provides IP video viewing, PTZ camera control, contact closure control, bi-directional audio, motion detection, DVR, and alarm notification with video clips and snapshots.



**Portable and Permanent Video Audio Data Network (VADN) Nodes**



**Surveillance Base Station Display**



## RIMSS System Description:

S4 Tech is pleased to introduce its Rapid IP-Based Modular Surveillance System (RIMSS). The RIMSS consists of several modules and has been designed to be portable or permanent, rugged, modular, cost effective, easy to install in the field, and easy to maintain. The modularity of the system based on distributed VADN nodes, allows for various camera, cabling and wireless configurations to be installed within hours. The ruggedness of the system, especially its temperature and dust resistance and high degree of power filtering and surge protection allow the system to function reliably in harsh environments and with generators or low quality power sources. The RIMSS system utilizes MPEG4 and/or MJPEG digital compression to efficiently transmit video across its network infrastructure making it very scalable in terms of adding cameras and nodes. Included in the system is video management software capable of providing simultaneous viewing of all cameras and remote control of all PTZ cameras. The software also provides motion detection with visual/audible alarms, digital video storage, archiving, alarm logs with video clips and snapshots, and replay capabilities. Remote control of relays can be used to remotely control devices such as illuminators, floodlights, and siren alarms in the field. The RIMSS system also includes bidirectional audio capabilities for use with distributed intercom, microphone, or loudspeaker devices.

## System Specifications:

- Supports any NTSC CCTV cameras (day/night, thermal, PTZ)
- Remote controlled infrared illuminators for 0 lux operation
- Up to 4 NTSC cameras per VADN node
- Man-portable cases that meet commercial airline transport requirements
- Motion detection capability with visual/audible alarms on all camera feeds
- Centralized IP network based control and viewing of all cameras
- Digital video storage, archiving, and replay capability
- Video clips and snapshots of alarm events (may be emailed)
- All VADN nodes support standard Cat-5/5e/6, Single/Multi-Mode Fiber, or 75ohm Coax cabling and standard connections – RJ-45, BNC, SC, ST
- 2.4/5 GHz dual band wireless radios with POE connect to VADN nodes
- Universal AC power inputs 90-260VAC/12VDC on all VADN nodes
- Power filtering and surge protection on all power, video, and data lines
- Nema 4X enclosures with active temperature control and dust protection
- 0-60 deg C operation
- Rapid simple installation over standard network/wireless links
- Connection Distance Table on following page.

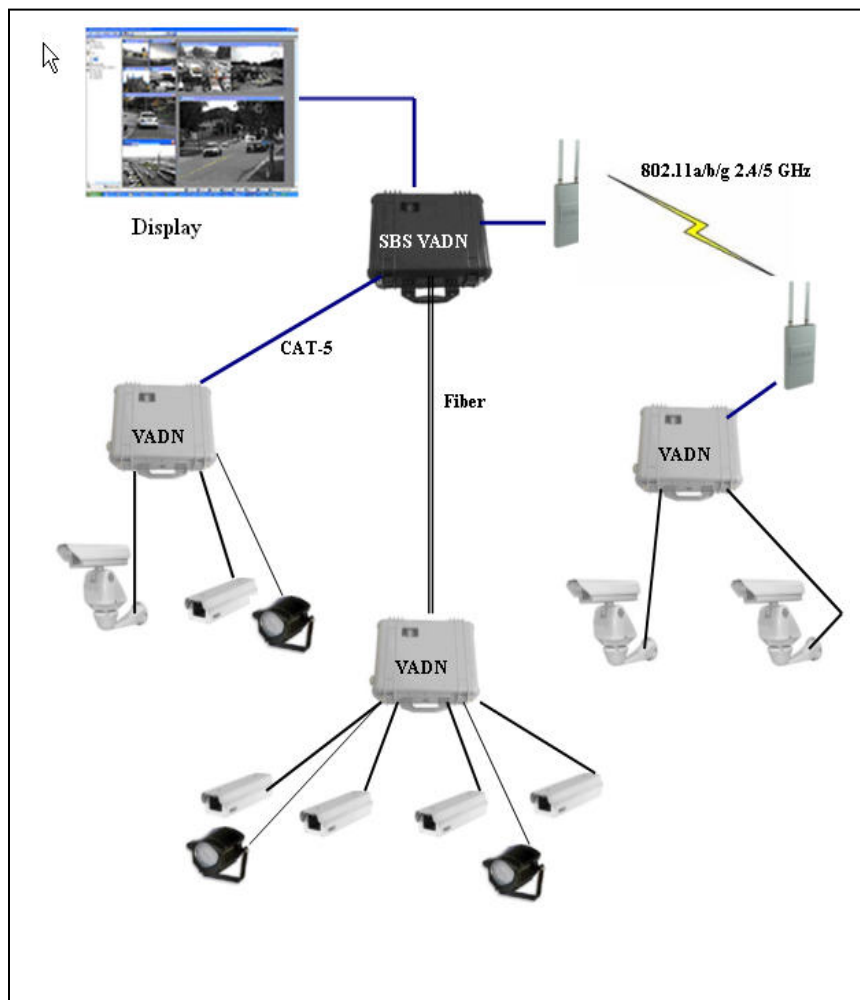
### **OEM**

- VADN nodes may be purchased separately for integration in other systems
- VADN nodes may be configured with any commercial video encoders and associated software interfaces

### Connection Distance Table:

Device 1	Device 2	Media	Transmission Distance
VADN Node	VADN Node	Wireless	200-3000m
VADN Node	VADN Node	Cat-5/5e/Cat-6	150-200m
VADN Node	VADN Node	Multi-Mode Fiber	2km
VADN Node	VADN Node	Single-Mode Fiber	20km
NTSC Camera	VADN Node	RG-6 coax	500m
NTSC Camera	VADN Node	RG-59 coax	300m
NTSC Camera	VADN Node	Cat-5/5e/Cat-6	600m
Display Station	SBS Node	Cat-5/5e/Cat-6	150-200m

### Portable System Example:



RIMSS minimizes time, cost, and installation space. The distributed VADN nodes eliminate the need for telecom closets. Standard network cabling and power are all that is needed making installation rapid, simple, and cost effective. Wireless and fiber links extend the network range and allow operation in difficult areas. Rugged NEMA-4X heated and cooled VADN nodes with multiple levels of power/signal filtering and surge protection, ensure reliable low maintenance operation even in harsh environments.

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