



VisionComms

Interoperable Voice, Video & Data Communications Systems

VisionComms specializes in providing communications systems for the disaster or search and rescue first responder team that is simple to operate (requiring no technical expertise), fast to activate, and easy to transport.

The System of Systems (SoS) approach permits first responders to communicate in a myriad of methods: two-way radio voice; telephony voice; cellular voice; email and text messaging; and transfer or download of data files. Voice traffic can be patched from any dissimilar frequency, including telephony, to any other frequency using drag and drop simplicity.

Downloading large files, such as maps, has always presented problems due to limited bandwidth. VisionComms has remedied that issue with incorporation of bandwidth aggregation that automatically and seamlessly combines up to five backhaul networks (3G/4G, VSAT, Wifi, and any available Ethernet broadband connection) and aggregates real-time bandwidth into a single pipeline for fiber-optics-like download and upload speed in the middle of nowhere.

The modular design allows the SoS to be mounted in a rugged, transportable case or permanently rack mounted into any type of command vehicle. Low power consumption permits operation from any available power source, such as generator or inverter, or from optional portable battery power supplies.

The simplicity of start up and operation is further enhanced with incorporation of power sequencing that uses logic to power up or power down all installed components. Basically a one-button function.

Systems are scalable based on the specific need of the end user and the modular design means the SoS capabilities can be purchased in segments from a basic Wifi SIP compliant system with B-Gan SAT connection to full interoperable systems with high band width VSAT connection. Nothing becomes obsolete as the system requirements grow or budgeted or grant financial assets become available.

The standard configuration permits plug-n-play incorporation of MESH networking and multiple remotely located wireless surveillance cameras.

Why struggle with complicated systems that require special trained technicians and hours to get up and running when you can deploy a VisionComm SoS custom designed communications package at a very affordable cost?



VisionComms

TCS400 Transportable Communications System

A complete interoperable communications system that provides voice and data delivery anywhere – anytime – under any conditions. Inexpensive, completely self-contained and transportable by any ground vehicle or aircraft to remote locations.

STANDARD FEATURES:

- AVL 0.96m VSAT with autolock controller and iDirect 3100 iNFINITI remote satellite router modem (BGAN option available)
- Bandwidth aggregation unit that automatically aggregates up to five backhaul data links of user's choice, including data service of all major carriers and/or any available broadband ethernet connection such as WiFi, Cable/DSL, VSAT, BGAN
- Rugged transportable, weatherproof case with shock mounts, casters and lift handles for easy movement
- 12U 19" rack permitting custom option expansion
- Single switch automated sequenced startup of all equipment that ensures equipment are powered up in the correct time order
- 1U rack-mounted slide-out 17" LCD monitor and keyboard
- 1U rack-mounted SIP-compliant IP PBX server that is capable of supporting up to 100 simultaneous VOIP calls, conference bridging, call attendant, caller ID
- FXS (4) and FXO (4) that provides connectivity to analog desk phones, fax, PSTN
- SIP-compliant Radio over IP equipment that supports up to eight radio transceivers of users' choice (standard system supplied with one each VHF and UHF transceiver), connecting the radios with all communications devices through the IP network in the system
- 16-port switch
- 802.11b/g WiFi access point
- SIP-compliant VOIP desk phones (2)
- SIP-compliant portable WiFi phones (5)



Communicating within minutes.
Anywhere in the world.
By any first responder.



May be rack-mounted in any command vehicle without case