

## DATA SHEET

# OPERATIONS VEHICLES

## Mobile and Remote Interoperability

### CommsFirst Incident and Crisis Communications Services

*Prepackaged communications platforms and information tools for business continuity, public safety, and homeland security.*

*"... It is the ability to use technology during incident response that allows an area to have improved tactical interoperable communications."*

— Department of Homeland Security  
Tactical Interoperable Communications Scorecards (Jan. 2007)

**CommsFirst OP-Vs** deliver advanced mobile interoperability solutions to once-disparate enterprises and public safety agencies. Rugged vehicles with state-of-the-art satellite, wireless, and land mobile radio technologies, OP-Vs build critical, reliable communications and operational networks—within minutes of arrival at any incident requiring instant and live data, voice and video transmission.

### CAPABILITIES

Enabling worldwide communications via satellite, OP-Vs deliver wired, wireless, and SIP telephony; secure Internet and data access; real-time video conferencing and imaging for remote decision-making; multiple-frequency, cross-platform radio interoperability based on redundant systems and talk groups; extendable wireless coverage; and critical content sharing and collaboration capabilities.

### OP-V APPLICATIONS

#### Strategic and Tactical Interoperability

Federal, state, and local agencies share critical information.

Whether responding to a natural disaster or chasing fugitives across jurisdictional lines, multiple agencies must be able to talk with one another to ensure public safety. OP-Vs enable enterprises and public agencies to:

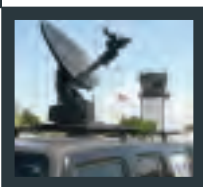
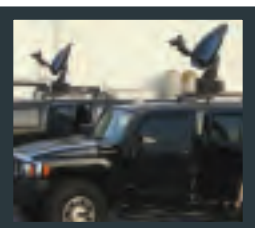
- Interconnect municipal public safety radios, state and federal radios, land-line/cell/satellite telephones, and military radios—within minutes of arrival on-site
- Enhance radio links among teams in areas with poor signals and remotely located command/control personnel by serving as field "repeaters"
- Comply with the Department of Homeland Security's Tactical Interoperable Communications Initiative

Public safety agencies and enterprises use OP-Vs in **daily operations**, taking robust communications on the road. Remote decision-making is enabled; face-to-face meetings are held from any location; and everyone is always kept in the communications loop.

For **tactical operations**, incident leaders can maintain command and control from an OP-V while field teams operate independently. OP-Vs bridge disparate radio frequencies and allow separate teams, such as fire and police, to communicate on distinct talk groups.

Disaster teams improve response skills through ongoing **training and exercises** that are realistically implemented, controlled, and evaluated with OP-Vs. Overall preparedness is enhanced by including multiple agencies and civilian participants.

Enterprise teams charged with **business continuity** and **disaster recovery** use OP-Vs to minimize downtime and maintain supply chain momentum. Instantly reestablishing networks, they keep critical information flowing to and from customers, employees, and suppliers—during system outages and other emergencies.



## WHEN

- Pandemic response
- Hazmat response
- Search and rescue
- Reconnaissance and surveillance
- Incident response and counter-terrorism
- Incident security
- Emergency medical response
- Public unrest
- Training and exercises
- Special events
- VIP and executive extraction
- Corporate COOP

## WHO

- Law enforcement
- Fire and rescue
- Emergency management
- Intelligence agencies
- State homeland security
- State fusion centers
- Medical response
- Enterprise disaster recovery
- Executive protection
- Corporate security
- Department of Defense
- National Guard

## WHY

- Operational within minutes
- Not dependent on local infrastructure
- Rapid command and control
- Strategic and tactical interoperability
- Center-to-edge connectivity
- Simultaneous Web, voice, data, video
- Close proximity to incident
- Off-road access
- Minimal end-user training
- Risk mitigation
- Rapid operations recovery
- Reduced loss of life and property
- Enhanced first-responder safety

## OP-V Gen II Technical Specifications

### VEHICLE OPTIONS

#### GMC Hummer H3/H2

#### GMC Suburban 1500/2500

#### Custom Vehicles



#### Navigation and Audio/Video

- Front in-dash navigation screens with rear DVDs
- Fully integrated GPS navigation system
- Alpine digital audio/video switch
- 10.2" rear video screen

#### Emergency Equipment

- Headlight flashers/strobe light kit
- Light package and window tint treatment
- Remote monitor alarm with remote start
- Warn 9000# portable winch

### COMMUNICATIONS OPTIONS

#### Satellite System

- .75m or .96m auto-deploy satellite antenna system
- Advantech DVB-RCS/S2 or iDirect series satellite modem
- Optional SCPC satellite modem
- Optional hardware accelerator
- DISH Network/DIRECTV satellite TV

#### Integrated Voice, Data, Video IP Router/Switch

- VoiceWise 8-, 16-, or 24-port universal access device
- 24-port 10/100 fast EtherSwitch

#### Wi-Fi Access Point

- 2.4 GHz HotSpot antenna with 1W amplifier
- Optional 5W or 25W amplifier

#### Land Mobile Radios and Interoperability

- ICRI analog and SyTech digital radio bridges
- Motorola radio base station – CDM1550 LS+ VHF 160 ch., 45W
- Motorola radio base station – CDM1550 LS+ UHF 160 ch., 40W
- Motorola radio base station – Astro Digital XTL5000 700/800 MHz, 35W
- Motorola portable radio – HT1250 LS+ Full Keypad VHF 32 ch., 5W
- Motorola portable radio – HT1250 LS+ Full Keypad UHF 32 ch., 5W
- Motorola portable radio – Astro Digital XTS5000 700/800 MHz 48 ch., 3W

#### Phones

- Cordless 5.8 GHz with answering system
- 2-Line conference/speaker phone
- 4 SIP Wi-Fi phones

#### Video Systems

- Tandberg Tactical MXP
- SEE PTZ camera black, Sony 980 26X optical NTSC, Sony Visca RS-232
- LOOK single camera display 6.4" color TFT, joystick, camera control
- SEE camera NIR Illuminator
- DiREX-PRO\_30 or VBrick encoder appliance
- Nikon wireless digital camera
- VTC bullet camera with mic and cable

#### Laptop/Server and Printer

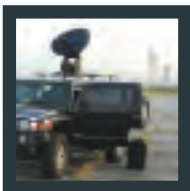
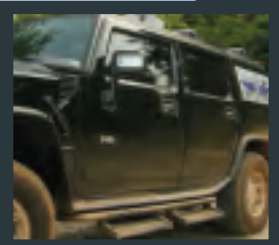
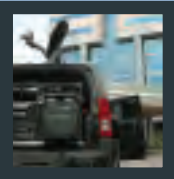
- Panasonic Toughbook CF-29 laptop
- Crystal RS235 Ruggedized MILSPEC server
- HP all-in-one wireless printer/fax/copier/scanner

#### Sensor

- Blueforce Sensor Node
- PIR Perimeter Sensors

#### Power

- 2300 watt DC to AC inverter
- 2000 watt Honda generator with external vehicle connector
- Upgraded battery package including two gel cell batteries



First to Connect  
in Crisis

Meets SAFECOM standards. Meets or exceeds all known standards for interoperability. IPv6 capable.