



VECTOR-TRACKING AND COMMUNICATIONS SYSTEM (V-TACS)

Satellite data link connectivity for voice, text, and reporting with integrated GPS Positioning

V-TACS is a portable command, control, and communications system that provides voice, data, and Position Location Information (PLI) services to geographically dispersed users utilizing the Iridium* Push-To-Talk (PTT) satellite network. The PTT voice communication feature works just like other well-known common tactical radios using standard military handsets and includes an optional amplified speaker allowing users to monitor traffic from a distance. The rugged computing platform allows users to visually maintain situational awareness and a common operating picture with the ability to transmit map icons, areas of interest, targets, and locations. Inside the platform, users can also send text messages and event reports with the intuitive on-screen operations management application. The radio's connectivity status and signal strength (RSSI) are continuously updated so users always know their communications status. The easily deployed omnidirectional antenna simply requires a plain view of the sky from anywhere around the globe.

Fast to deploy and simple to use, V-TACS is a terrific solution for Public Safety, Emergency First Responders, or any organization requiring command and control applications beyond line-of-site and in environments where no other means of communications are available. United States Government architectures are supported separately. Qualified Government customers may choose to leverage the future Defense Information Systems Agency (DISA) Managed Access program.



V-TACS

V-TACS CAPABILITIES

- ▶ True Global Communications with Iridium* Push-To-Talk Satellite Network
- ▶ Deploys Quickly without Complex System Architecture
- ▶ Coverage Independent of Ground Infrastructure
- ▶ Integrated GPS Positioning
- ▶ Data Link for Voice, Text and Reporting
- ▶ Built-in AES-256 Encryption
- ▶ Rugged Lightweight Design
- ▶ Easily Integrates with Existing Command-Control Software
- ▶ Unlimited Number of Users Worldwide
- ▶ Fully Exportable to Partner Nations

- ▶ Satellite data link connectivity for voice, text, and reporting with integrated GPS Positioning
- ▶ Rugged compact light weight Simple to use
- ▶ Operates Push to Talk (PPT) like common tactical radios
- ▶ Easily integrates with existing C2 software
- ▶ Deploys quickly without complex system architecture
- ▶ Near real time situational awareness w/ Locorum** Operations Management Application

- ▶ Alternate Antennas and Mounts
- ▶ Laser Range Finder
- ▶ Network Radio Gateway
- ▶ Alternate Deployable Case Configurations
- ▶ ATAK/WinTAK Application

PRINCIPLE COMPONENTS

- ▶ Vector Iridium Data Link (VIDL)
- ▶ Antenna
- ▶ Outdoor Speaker/Handset
- ▶ Rugged Computing Platform
- ▶ Locorum** Operations Management Application

VIDL SPECIFICATIONS

VIDL:

- ▶ Dimensions: 170 x 120 x 56 mm
- ▶ Weight: 0.64 kg
- ▶ Power Requirements: 9-32VDC less than 0.4A @12 VDC
- ▶ Transmit Power: 7W max
- ▶ Frequency Range: 1616-1626 GHz
- ▶ Environmental: IP68 (immersion), -30 to +70 deg C
- ▶ Interfaces: Audio U-329, Antenna 2xSMA, Ethernet Data, USB 2.0, Serial Data Input, Power MS-3106-12S-3P



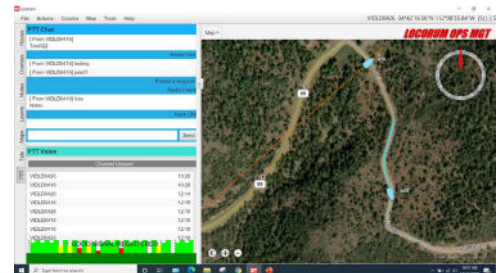
NEAR REAL TIME SITUATIONAL AWARENESS



V-TACS



V-TACS



Lorocum** Operations Management Application

IRIDIUM SUBSCRIPTIONS

VIDL Iridium* PTT access requires a subscription or airtime plan that can vary in cost based on amount of coverage required. Plans include unlimited Push-To-Talk voice, text and position machine to machine data.

Contact us and we can arrange a plan that makes the most sense for you. Parraid is prepared to help design a coverage plan based on your requirement or use case.

*<http://www.iridium.com>

**<http://www.devil-tech.com>



DESIGN | BUILD | SUPPORT

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IridiumPTT-VTACS-PF Rev 02

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