



FIRE DATA V-TACS

Wildland fire management Incident Command Posts and Commanders require real-time, no-fail communications in the most demanding, remote, and arduous of conditions. Iridium* Satellite communication can provide networked users with worldwide voice and data links in any location or situation thus enhancing all aspects of situational awareness, GPS positioning and command & control.

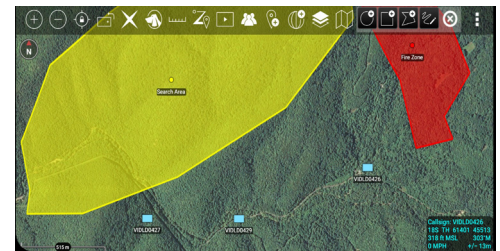
Parraid has developed a simple to use, mobile and affordable Iridium* Fire Data Communications System. Our Vector-Tracking and Communications System (V-TACS) is a portable command, control, and communications system that provides voice, data, and Position Location Information (PLI) services to geographically dispersed users utilizing the Iridium* Push-To-Talk (PTT) satellite network. The Fire Data V-TACS is a variant of our original V-TACS, tailored for wildland and fire management command and control.

The Fire Data V-TACS features the Parraid Vector Iridium* Data Link (VIDL), which provides users a voice and data link along with GPS positioning, using either the Locorum** Operations Management or Android Team Awareness Kit (ATAK) / Windows Team Awareness Kit (WinATAK) applications to allow for realtime situational awareness, as well as command and control of ground firefighting assets.

Equipped with a rugged computing platform, the integrated geospatial software allows for the sending of map shapes and graphic icons over the VIDL. The Incident Command Post (ICP) can, in real-time, establish fire lines and position ground personnel or other firefighting assets.



V-TACS



ATAK/WinTAK Application

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

PRINCIPLE COMPONENTS

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

OPTIONAL COMPONENTS

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

IridiumPTT-FIRE-PF Rev 01

VIDL SPECIFICATIONS

VIDL:

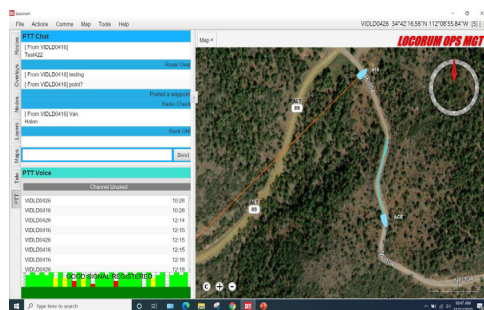
- ▶ Dimensions: 170 x 120 x 56 mm
- ▶ Weight: 0.64 kg
- ▶ Power Requirements: 9-32VDC less than 0.4A @12 VDC
- ▶ Transmit Power: 7W max
- ▶ Frequency Range: 1616-1626 GHz
- ▶ Environmental: IP68 (immersion), -30 to +70 deg C
- ▶ Interfaces: Audio U-329, Antenna 2xSMA, Ethernet Data, USB 2.0, Serial Data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



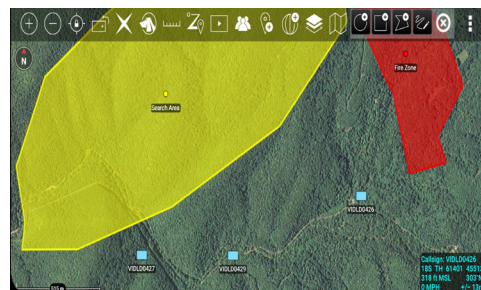
NEAR REAL TIME SITUATIONAL AWARENESS



VIDL/Wearable configuration with Android



*Locorum** Operations Management Application, Showing Fire Lines and Firefighting assets, Plotted with GPS Position*



ATAK/WinTAK 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>



IridiumPTT-FIRE-PF Rev 01

DESIGN | BUILD | SUPPORT

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