



Vector Tracking and Communications System (V-TACS)

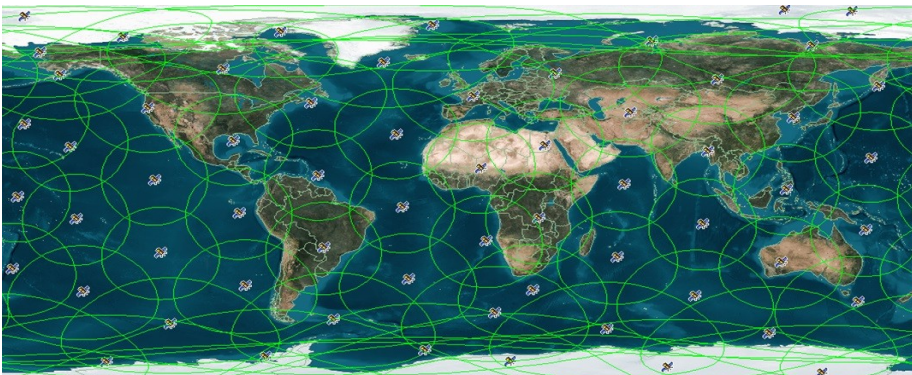
Mini SATCOM Terminal (MST)



MST With Android Cell Phone Running ATAK

- Blue Force Tracking
- Two-Way Text Messaging
- Application Specific Data
- AES-256 Encryption
- Bluetooth Low Energy (BLE)
- Android Team Awareness Kit (ATAK) and TAK Server Compatible
- Iridium Short Burst Data (SBD)
- US DoD EMSS Approved
- Global Coverage

5x Systems' Mini SATCOM Terminal (MST) is an economical data-only SATCOM transceiver which leverages Iridium's global satellite constellation. MST is part of 5x System's Vector Tracking and Communications System (V-TACS) family. It allows deployed operators to communicate back to their organization's command and control center, providing blue force tracking and two-way text messaging from anywhere on the globe. Like other V-TACS radios, the MST is compatible with the Android Team Awareness Kit (ATAK) and the entire TAK ecosystem. The MST can exchange geographic markers with a TAK server and it has an emergency button to allow operators in the field to request immediate assistance. Messages sent over the MST are encrypted with Advanced Encryption Standard (AES) 256-bit encryption. The MST connects to ATAK over Bluetooth Low Energy (BLE) protocol, so there are no cables or wires. It has an internal rechargeable lithium-ion polymer battery for long duration missions where there are no power sources available. The MST is built tough to withstand harsh use and it is fully waterproof to one-meter depth.



Iridium low earth orbit satellite constellation provides worldwide connectivity from pole to pole

V-TACS Mini SATCOM Technical Specifications



Physical Characteristics

Dimensions: 80x80x35mm

Weight: 220g

Environmental Protection

IP-68 (Full immersion)

Operating Temp: -20 to 70° C

Interfaces

Bluetooth Low Energy Wireless Data Link

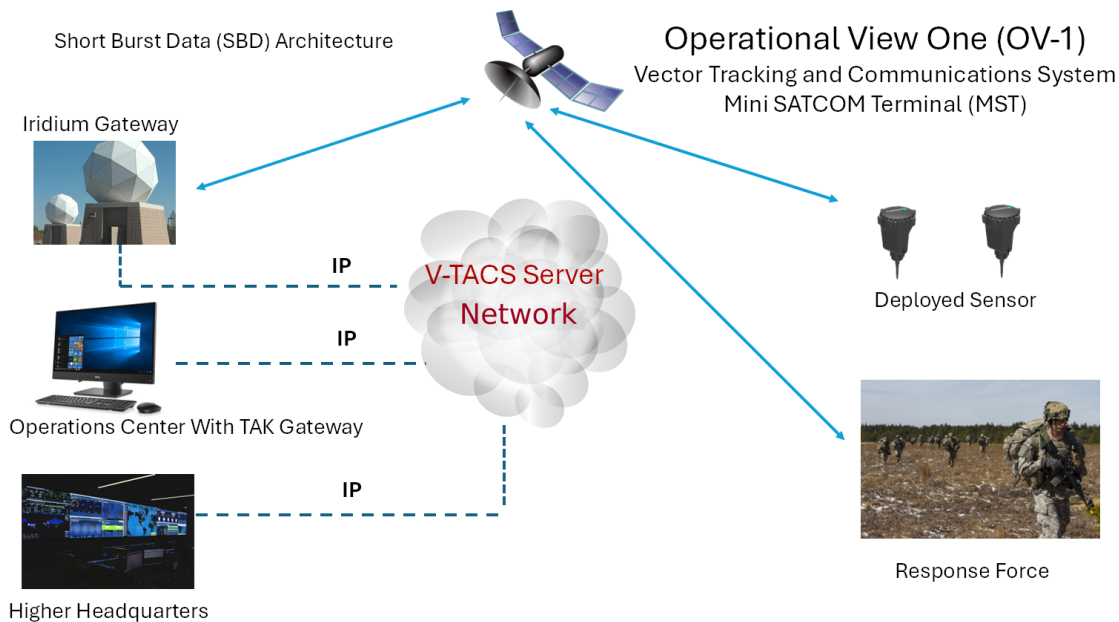
External Power: 8-28VDC

GPS

Receiver Type: 56-Channel L1 C/A

Position accuracy: 2.5m

Operational View One (OV-1)



Unparalleled Situational Awareness (SA). The Mini SATCOM Enterprise Architecture Connects Mobile Users to Operations Centers Over Iridium Satellite Creating a Common Operational Picture (COP) for Everyone on the Network.