

Vector-Tracking and Communications System Base Station

V-TACS Base Station for mobile or fixed operations centers



Lightweight, Reliable, Simple Command and Control System

Satellite data link connectivity for voice, text, and position reporting

Provides common operational picture to geographically dispersed units

Unlimited number of users with global coverage

Secured with AES 256 bit link encryption.

Fully exportable to partner nations

Multiple talk groups for shared or sovereign communications network

Easily integrates with existing C2 software

V-TACS was designed by operators for operators. It is the simplest command and control system available today. Upon start-up, the satellite data link starts transmitting its geographical location to all users on the network. At the same time, it receives position reports of all other users on the network. These position reports are displayed on a digital map, creating a Common Operation Picture. V-TACS Push to Talk (PTT) voice communications work just like common tactical radios, even using standard military handsets. An external amplified speaker allows users to monitor voice traffic from a distance. Operators send text messages and event reports with an intuitive on-screen Operations Management Application.

The V-TACS Base Station is ideal for use in tactical vehicles, vessels and command and control facilities. V-TACS does not require a central server, Internet connectivity, or complex system architecture to function. This makes it easy to deploy the system. The V-TACS Base Station is housed in a rugged transit case and all components are environmentally sealed, making it suitable for use in the most austere conditions. The V-TACS SATCOM Radio is the heart of the system. It connects to a computing platform running an Operations Management Application. Both Locorum (PC) and ATAK (Android) applications can be used with the V-TACS Base Station.

V-TACS Base Station

System Components and Specifications



V-TACS Base Station

Dimensions of Transit Case: 45x40x 20cm
 Weight: 4.5kg
 Power Requirements: 110-220 VAC
 Power Consumption: < 02.5A average
 Transmit Power: 7W max
 Frequency Range: 1616to 1626 MHz
 Satellite Constellation: Iridium
 Environmental Protection: IP-68 (immersion)
 Operating Temperature: -30 to +70 deg C



V-TACS SATCOM
Radio



Iridium and GPS
Antenna



Amplified Speaker

Component	Part Number	Description
Amplified Speaker	SP-001	10W Speaker with Audio/Power Cable Compact
Antenna	AT-003	Compact Iridium/GPS Antenna
Maritime Antenna	AT-002	Maritime Iridium/GPS Antenna
Antenna Tripod	AT-006	Transportable Antenna Tripod
ATAK Plugin	SW-005	V-TACS Plugin for Android Team Awareness Kit (ATAK)
Locorum Edge	SW-003	Locorum Edge Node Software