



## **Data Sheet**

# Light Weight Ku-band Driveaway VSAT Systems





## Ku-band Light Weight Driveaway VSAT Systems

The Light Weight Driveaway Satellite Antennas are portable, self-aligning satellite communications platforms. The system can be permanently mounted on vehicles and other movable work platforms or used with a skid mount and placed on the ground or other surface. Deployment is as simple as providing power, connecting the cables, and pressing the "Search" button, making them ideal for, government and military agencies,

The auto-aiming satellite antenna quickly provides delivery of high-speed data links and integrates with the industry's most popular satellite modems



## **Main Features**

- Intuitive touch screen controller supports auto or manual control
- HD platform support wide variety of RF Electronics
- Advanced self-leveling feature aids in satellite acquisition
- Advanced peaking algorithm on cross-polarization alignment
- No software to install
- Unaffected by magnetic compass distortion
- Compatible with I-direct modem and most other satellite modems
- Low stow height
- Equipped with 4W/8W/16 BUC (TBD) and PLL LNB
- 2U rackmount controller





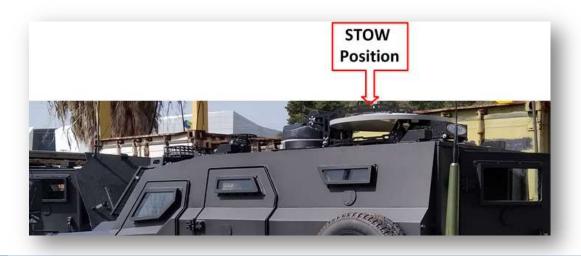
## **Specification**

| Reflector Type      | 1.0 meter                                       | 1.2 meter                                       |
|---------------------|---|---|
| Mount Geometry      | Elevation over Azimuth                          | Elevation over Azimuth                          |
| Polarization        | Vertical or Horizontal: 270° on both polarities | Vertical or Horizontal: 270° on both polarities |
| Deployment Sensors  | GPS, Inclinometer                               | GPS, Inclinometer                               |
| Azimuth             | 380°  | 380°  |
| Elevation           | 179° (includes 22.5 offset of dish)             | 202° (includes 22.5 offset of dish)             |
| Polarization (Skew) | Both polarities can be skewed by 270°           | Both polarities can be skewed by 270°           |
| Deploy Elevation    | 1.8°/sec  | 1.8°/sec  |
| Deploy Azimuth      | 5.3°/sec  | 5.3°/sec  |
| Peaking Speed       | 0.1° increments                                 | 0.1° increments                                 |

| Length Stowed | 1.9m             | 1.9m              |
|---------------|------------------|-------------------|
| Width Stowed  | 0.99m            | 1.2m              |
| Height Stowed | 0.3m             | 0.3m              |
| Weight        | 75Kg with 8W BUC | 100Kg with 8W BUC |

| Deployed Wind           | In excess of 140kph |  |
|-------------------------|---------------------|--|
| Resistance              |                     |  |
| Stowed Wind             | In excess of 140kph |  |
| Resistance              |                     |  |
| Operational Temperature | −40°C to 65°C       |  |

#### **Stow Position**





## **Controller**

#### **General**

Sophisticated controller with simple-to-use touch screens, with a focus on being extremely user-friendly. The controllers were designed to be easily deployed, peak and stowed the satellite with no need of technical knowledge.

| ACU        | Visual displays of Azimuth, Elevation,<br>Cross- pole and signal strengh     Momentary buttins for all axis controll movments |
|------------|---|
| Dimentions | 19", 2U, 14" (355mm) deep   |
| Interface  | Serial or Ethernet supporting OpenAMIP  |
| Electrical | In: 100-240VAC<br>Out: 36VDC  |



