Bloodhound is a portable, low-profile, high frequency geolocation system that operates from 3 MHz to 20 MHz and is suitable for tactical operations. It is unique in that only one system is required to generate precise geolocation estimates and is available in Expeditionary (pictured), Fixed, and Fly-away configurations.

Bloodhound is comprised of three receivers, each of which can operate with four sub-bands, and a picture frame antenna array. Antennas are 7.9 inches in height and are easily concealed to blend into the surrounding terrain. Each sub-band locates multiple transmitters with geolocation estimates developed in five minutes.

Bloodhound is low SWAP (size, weight, and power), easily transportable, and is deployed in fewer than four hours by a four-man team (as defined by MIL STD 1472F), and torn down in fewer than 45 minutes. It does not require a local operator, and can be deployed for extended operations. For mobile applications, antennas are emplaced and concealed, while receivers and processors are housed in a temperature controlled space in a tactical vehicle nearby. For stationary applications, receivers are co-located near the antennas or housed in a temperature controlled space with the processors.

1. Bloodhound is a trademark of Leidos, Inc.
SWAP*

<table>
<thead>
<tr>
<th>Item</th>
<th>SIZE</th>
<th>WEIGHT</th>
<th>POWER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Antenna (8)</td>
<td>16.1in x 14.2in x 7.9in each</td>
<td>42 lbs. each</td>
<td>N/A</td>
</tr>
<tr>
<td>Receiver cabinet</td>
<td>27.0in x 23.2in x 33.1in</td>
<td>172 lbs.</td>
<td>4.2 amp</td>
</tr>
<tr>
<td>Receiver cabinet w/ air conditioning</td>
<td>27.0in x 23.2in x 49.9in</td>
<td>290 lbs.</td>
<td>13.7 amps</td>
</tr>
<tr>
<td>Processor cabinet</td>
<td>27.0in x 23.2in x 33.1in</td>
<td>226 lbs.</td>
<td>10.8 amps</td>
</tr>
<tr>
<td>Antenna Cabling</td>
<td>100m x 8</td>
<td>160 lbs.</td>
<td>N/A</td>
</tr>
</tbody>
</table>

SPECIFICATIONS*

- **Frequency Range**: 3 to 20Mhz
- **Sub-bands**: 4
- **Sub-band Bandwidth**: 37.5kHz or 100kHz
- **Accuracy**: Available upon request
- **Antenna Type**: Picture Frame
- **Environmental**: MIL-STD 810G compliant for temperature (Method 501.5 and 502.5), shock (Method 516.6), vibration (Method 514.6), sand and dust (Method 510.5), and humidity (Method 507.5)
- **Operating Temperature**: -15 to 50 deg C
- **Storage/Transport Temperature**: -25 to 70 deg C
- **Humidity**: 95%

* SWAP AND SPECIFICATIONS BEING FINALIZED AND SUBJECT TO CHANGE

WHY PARTNER WITH LEIDOS?

If you have a challenge where innovative or disruptive technology could make a difference to your mission, Leidos is your partner. The Leidos Innovations Center develops ground breaking solutions leveraging a wide range of technologies including advanced computing, AI/ML, signal processing, and sensors (including radio frequency, optical, and chemical, biological, radiological, and nuclear). The Leidos Innovations Center conducts projects on a variety of time scales, from quick reaction capabilities to long term technology development, helping customers solve some of the world’s toughest challenges in the defense, intelligence, civil, and health markets.

NEXT STEP

Through our culture of innovation and history of performance, we maintain deep customer trust built on integrity and develop and provide customer-centered capabilities and solutions at speed and scale for execution efficiency. Contact us today to discover how we can help you solve your challenges today and in the future.

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