

## GEOGRAPHICAL BEARING SYSTEM



### APPLICATIONS

- Surveillance Vehicle;
- Military vehicles;
- Weapon Stations;
- Surveillance platforms;
- Ships and naval systems

### CHARACTERISTICS

- **Azimuth Accuracy:** <math><0.5\text{ deg RMS}</math>  
Heading while level, undisturbed field, 0.1 deg resolution
- **Inclination (pitch and roll) accuracy:**  
Typical 1° accuracy <math><\pm 30^\circ</math> tilt
- **Overall Size L x W x H:** 137mm x 80mm x 77mm approx
- **Weight:** 0.75 kg
- **Power Input Voltage:** 18 to 32 VDC.
- **Power Consumption:** 1.5 W typical
- **Magnetic Compensation Routines:** Hard Iron and Soft Iron calibrations supported
- **Horizontal position accuracy:** <math><2\text{m (SBAS + PPP)}</math>
- **Acquisition Time:** <math>< 35\text{ sec}</math> (cold and hot start)
- **Communication interface:** RS-232
- **Operating temperature:** <math>-32^\circ\text{ C to }+55^\circ\text{ C}</math>

## GEOGRAPHICAL BEARING SYSTEM

Geographical Bearing System provides geographical position and direction towards magnetic north. It's small size, low power consumption and RS 232 interface allows easy integration in different Target Acquisition Systems

