

SNAV LITE

NEXT GENERATION VEHICLE NAVIGATION SYSTEM



SNAV LITE

SMART Navigation (SNAV Lite) is a highly reliable Vehicle Navigation System that is compliant with military specifications and optimised for both tracked and wheeled land platforms.

Key features & benefits

- Accurate positioning information in Global Navigation Satellite System (GNSS)-denied environments using advanced algorithm (Dead Reckoning Mode)
- Compatible with all major GNSS constellations
- Leverages the latest in navigation technology to optimise route planning and provide real-time positioning information
- Provides flexibility to connect with other vehicular systems
- Compact and lightweight

TECHNICAL SPECIFICATIONS

Performance	Global Positioning System (GPS)-Denied Environment (Dead Reckoning)	Heading	0.6° for 20 mins 1.2° for 60 mins
		Horizontal	1.0% DT
	With GPS Signal	Heading	0.5° RMS
		Horizontal	10 m CEP
Leveling	Static	0.5° RMS	
	Dynamic	0.5° RMS	
Configuration	GNSS	GPS+ Glonass L1 band Expandable to include Beidou, Galileo, IRNSS, SBAS	
	Volume	160 mm x 120 mm x 260 mm	
	Weight	< 5 kg	
	Power	30W	
	Interface	RS422, CANBus, Ethernet	
System Qualifications	Environmental	Ingress Protection	IP65 (MIL-STD-810E)
		Temperature (Operation)	-30°C to +55°C (MIL-STD-810E)
		Temperature (Storage)	-45°C to +71°C (MIL-STD-810E)
		Functional Shock	40 g (MIL-STD-810E)
	Electromagnetic Interference and Compatibility	MIL-STD-461E	
	Power Voltage Surges /Transients	MIL-STD-1275B	
MTBF	10,000 hrs		

Note: Specifications are subject to change by the manufacturer without prior notice.