

NAVNET Navigator IIm™

Long-range datalinks with embedded GPS



Whether tracking dismounted troops on the range, scoring a wargaming exercise in real-time, or monitoring portable instruments, Intuicom's NAVNET Navigator IIm datalinks support "Communications On The Move" (COTM).

Applications include:

- Blue Force Tracking
- Remote Sensor Monitoring
- TTE (Test, Training, Exercises)
- SAR (Search and Rescue)
- Target Tracking & Scoring
- Portable Perimeter Monitors
- Unattended Weapons





Key Features

- >60 mile LOS range per hop (multi-hop BLOS range extension)
- 12 hr. rechargeable battery
- Secure FHSS (Frequency Hopping Spread Spectrum)
- Configurable fixed channel operation
- Two serial RS232 ports
- Two GPIO lines
- TCP/IP addressable
- Embedded GPS (C/A)
- Optional Panic Switch

General Specifications

- Operating Bands: 1350-1390 MHz
- 115 Kbps throughput (75% channel availability, no repeater)
- Network Topologies: Point-to-Multipoint, Point-to-Point, & TDMA
- Rechargeable Battery: 12V, 2.3Ah
- Runtime: 12 hr. operation typ. (varies with data transmission rate)
- Radio Size: (H) 1.8" x (W) 3.8" x (L) 6.5"
- Wt: 15 oz. (radio only) 4.5 lbs (Manpack)
- Operating Temperature: -30°C to +75° C

Transmitter

- RF Output Power: 1 W (1350 - 1390 MHz)
- Modulation: GFSK Spread Spectrum
- Occupied BW: 230KHz

Receiver

- Sensitivity: -108dBm
- Selectivity: 40dB @ 230KHz

GPS

- 16 Channel; C/A
- 2.5m accuracy WAAS enabled
- <1M (DGPS corrected)

Accessories

- Panic Switch
- Antennas
 - Omni & Yagi Fixed Location
 - Mobile Combo (GPS & RF)
- Coax Cables
- Mtg. Hardware

NOTE: Specifications subject to change without notice