

Low Dynamic Vehicle (LDV) Player Instrumentation

Rugged Mini-Computer with Radio and Precision GPS

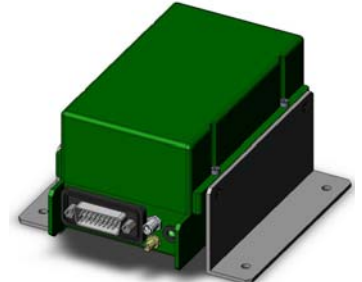
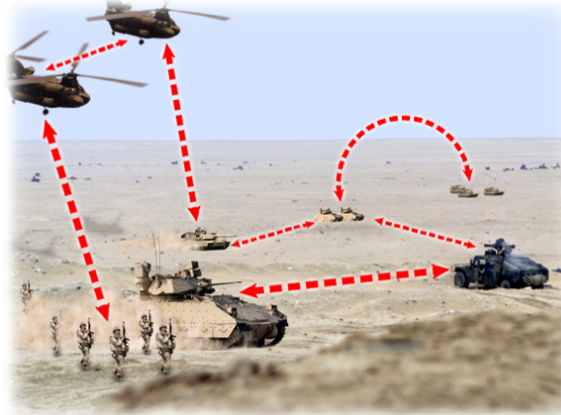
- **Dismount, Vehicle, UAV, UGV, Unattended Sensor Instrumentation**
- **Precise Instantaneous State Data (3 Axis)**
 - ◇ Attitude
 - ◇ Orientation
 - ◇ Pitch
 - ◇ Roll
 - ◇ Yaw
- **Interfaces to:**
 - ◇ MILES
 - Dismount
 - Vehicle
 - ◇ High Speed Serial
 - ◇ Ethernet
 - ◇ USB
 - ◇ Range Radios
- **Support Direct and Indirect Fire Missions**
- **Instruments non-instrumented players**



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SNC's instrumentation for low dynamic tactical vehicles incorporates years of field experience with the latest in proven technologies.



Weight: 18 Ounces
Size: 2.75" x 3" x 5"

SNC's Low Dynamic Vehicle (LDV) Kits provide highly accurate Time, Space, Position Information (TSPI) using a Real Time Kinematic (RTK) Difital Correction Global Position System (DGPS) and an integrated Inertial Measurement Unit (IMU).

Features

- CPU: PXA270 (Marvell XScale)
- Memory: 128MB SDRAM
- Storage: Secure Digital High Capacity (SDHC) – up to 32 GB
- Operating System: Linux 2.6
- Ethernet, Universal Serial Bus (USB), and Serial Interfaces – front panel
- Integrated PCMCIA Card Slot for Multi-vendor Radio Solutions
 - Self Healing Ad-Hoc Meshnetwork Radio
 - 802.11b/g, Flash OFDM, or 3G-TDCMA, 802.16
- Integrated Modular DGPS Options
 - L1/L2C RTK 2cm
 - L1 DGPS .5m
 - L1 DGPS 2.5m
- Integrated MEMS based IMU
 - Very high update raw data rates: 200Hz
 - Acceleration: 0.02 m/sec²
 - Attitude: 0.2 degrees
- Supports legacy MILES Tactical Engagement System interfaces
- Supports embedded CORBA Object Request Broker for TENA or CTIA

Specifications

- DUST: MIL-STD-810F, Method 510.4, Silicon flour, 10.6 g/m³, 8.9 m/s
- VIBRATION: MIL-STD-810F, Method 514.5, Cat. 5, Loose Cargo
- SHOCK: MIL-STD-810F, Method 516.5, Procedure I, Functional shock
- IMMERSION: MIL-STD-810F, Method 512.4, 1m, 30 minutes
- HIGH TEMPERATURE: 50°C (operational) / 70°C (storage)
- LOW TEMPERATURE: -20°C (operational) / -40°C (storage)
- HUMIDITY: 95% Non-condensing
- EMI/EMC: MIL-STD-461E
- SIZE: 3" H x 3.00" W x 5.00" L
- WEIGHT: 18 oz (DS without Battery)
- POWER: 8 – 32 VDC