

SDN500 vs. C-MIGITS® III INS/GPS Product Comparison

Systron Donner Inertial's "Best Ever" GPS/INS Tactical-Grade System

Systron Donner Inertial (SDI) continues to be the industry's MEMS leader in performance, size and power. In July 2011, SDI began shipping its "Best Ever" GPS/INS Tactical Grade System.

The compact, six degree of freedom **SDN500** combines latest generation quartz gyros, quartz accelerometers, high speed signal processing and a single board Course/Acquisition (C/A) Code GPS receiver into a powerful, tightly-coupled Guidance and Navigation System.



The **SDN500** is a next-generation, stand-alone GPS/INS system. It is also a replacement for SDI's popular and widely-used C-MIGITS® III for legacy applications with backward compatible software and cable interfaces.

SDN500 vs. C-MIGITS® III

Specification	SDN500	C-MIGITS® III	SDN500 Benefits
Size	26 in. ³	54 in. ³	50% Smaller
Weight	1.8 lbs.	2.4 lbs.	33% Lighter
Power Consumption	6.5 W	12 W	46% Less Power
Modularity	Remote GPS Receiver	None - Fixed	Increased Packaging Flexibility
EMI Protection	Internal	External Option	Easier Integration
Input Voltage	10-42 Vdc	28 Vdc	Easier Integration
Bias Stability	3°/hr.	30°/hr.	Better Position Tracking Between GPS Updates
In-Run Stability	1°/hr.	3°/hr.	
Rate Sensor Bandwidth	75 Hz.	33 Hz.	Better Control in Higher Dynamic Vehicles



Combined with SDI's expert application and engineering support, the **SDN500** instrument-grade system delivers high accuracy, a flexible command interface and small dimensions for guidance, navigation and control of UAVs and other unmanned vehicles, camera stabilization, targeting/positioning, geo-location, pointing and attitude reference.

For more information, contact:

Systron Donner Inertial
 2700 Systron Drive
 Concord, CA 94518 USA
 +1.866.234.4976 | sales@systron.com

www.systron.com