

OxTS Launches New xNAV500 GPS/INS at AUVSI

OxTS will show its new GPS-aided inertial navigation system xNAV500 at this year's AUVSI Unmanned Systems Conference in Orlando, USA, from 13-15 May 2014. The new xNAV500 represents an addition worth mentioning to OxTS' xNAV line-up as the company's first model to feature real-time output of measurement data. The xNAV500 is aimed squarely at UAV and UAS applications where payload restrictions mean the size and weight of GPS-aided inertial navigation sensors are almost as important as their measurement accuracy.

With a mass of just 380g and small enough to fit in a coat pocket, the xNAV500 packs a lot of technology into a small space. Featuring dual GPS receivers and a state-of-the-art custom-built inertial measurement unit, the xNAV500 constantly monitors position, orientation and velocity with high accuracy. 4GB of on-board storage is available, allowing four days' worth of measurements to be stored internally. Data can be easily downloaded from the system and post-processed using the advanced software, which is included as standard at no extra cost.

Interfacing the xNAV500 to cameras, laser scanners or other sensor arrays is easy thanks to the xNAV500's digital input, which can be used to generate event-driven navigation messages that are time-stamped to external events. The easy to use configuration software, NAVconfig, also allows the xNAV500 to generate distance-based signals that can be used to trigger external equipment. These features, and the convenience of the one-box solution, ensure it is quick and easy to acquire the accurate exposure point data required for direct georeferencing.

To find out more about what the xNAV500 can do for you or to request a demonstration, visit the company's booth, No. 1841.

<https://www.gim-international.com/content/news/oxts-launches-new-xnav500-gps-ins-at-auvsi>
