

OxTS Releases xOEM500 GNSS/INS



OxTS has announced the latest addition to the OEM line of inertial navigation systems aimed at system integrators. The xOEM500 is a GNSS/INS embedded on a single, compact board set and marks OxTS' smallest, lightest INS offering to date.

The xOEM500 includes dual GNSS receivers capable of 50cm position and is designed to give stable heading performance in all conditions. The IMU is made up of MEMS based accelerometers and gyros, but thanks to OxTS' custom calibration techniques including the SuperCAL adjustment, the sensors are developed to deliver the tactical grade performance in an industrial-sized package.

In addition to the GNSS and IMU, the board set includes 4 GB of storage for over 4 days' worth of data and an onboard processor running the strapdown navigator and Kalman Filter. Data is output at up to 100Hz in real-time and logged internally so it can be post-processed with the OxTS NAVsuite software package, included free with the system.

The xOEM500 also features OxTS gx/ix technology; advanced GNSS and inertial processing technology that integrates the raw GNSS data directly with the inertial system to generate a solution tailored to the Kalman Filter. The gx/ix tight coupling means the xOEM500 maintains accuracy in urban and other harsh GNSS environments.

For more info see www.oxts.com/products/xoem.