

PRESS RELEASE

PO BOX 527
BURLINGTON, VT USA 05402
www.ascension-tech.com
802.893.6657

MEDIA CONTACT
Jack Scully
jscully@ascension-tech.com
802.893.6657 x11



ASCENSION INTRODUCES HY-BIRD TRACKER AT MAJOR SIMULATION CONFERENCE - I/ITSEC

Burlington, Vermont USA: December 1, 2006: Ascension Technology will exhibit Hy-BIRD, a hybrid tracker that fuses optical and inertial data streams together for all-attitude tracking, 100% of the time. Angular tracking continues uninterrupted even if primary light emitters are blocked or its field of view exceeded.

Hy-BIRD's optical technology provides six degrees-of-freedom tracking of its detector's location 240 times per second with accuracy better than a degree and minimal lag. This enables undistorted helmet tracking in fixed, motion-based and mobile environments.

A MicroStrain inertial sensor (www.microstrain.com) is fully integrated into Hy-BIRD to continue tracking in those instances in which the optical tracker is not operational. Previously, optical trackers skip measurements when their detector loses line-of-sight contact with their light source. Hy-BIRD cures this problem. A robust inertial sensor with embedded microprocessor and on-board digital filtering seamlessly



Optical and inertial sensors mounted on flight helmet. For optimal coverage, the two sensors can be mounted at anywhere on a helmet and aligned with one another.

continues tracking of Yaw, Pitch and Roll angles until the optical sensor is again working.

The Hy-BIRD will be shown at the Interservice/Industry Training Simulation Conference December 4-7, 2006. Booth #879.

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For more information about Ascension and its magnetic, optical, inertial and hybrid tracking solutions for simulators, military vehicles and tactical aircraft, visit www.ascension-tech.com or email us directly at [ascension \(at\) ascension-tech.com](mailto:ascension@ascension-tech.com)