



PRESS RELEASE

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

MEDIA CONTACT
Anna Wisniewska
awisniewska@ascension-tech.com
802.893.6657 x 10

New driveBAY tracker Opens Door to Innovative New Applications



Ascension Introduces Fastest Magnetic Tracker With Miniaturized Sensors

BURLINGTON, VERMONT; April 7, 2008: **Ascension Technology Corporation** announces the world's fastest motion tracker – **3D Guidance driveBAY™**. Users can select update rates as high as 420 times a second for each of four miniaturized sensors.

For unobtrusiveness and ease of use, sensors range in size from 8 mm to just 1.5 mm in diameter. In addition to Ascension's mid-range transmitter, driveBAY supports a new lightweight DC magnetic field generator (230 grams) for convenient mounting on humans as well as objects.

In keeping with driveBAY's "small-is-best" design, all electronics fit snugly into the drive bay of a personal computer (PC). The tracker uses the PC's power supply and instantly makes position and orientation measurements available through its USB port.



"driveBAY will stimulate creative new users of 3D tracking," says vice President Jack Scully. "Miniaturized sensors and transmitters will play a big part in these developments.

driveBAY employs Ascension's proprietary

Tracker electronics fit into the drive bay of a PC chassis and used its power. Data is transmitted to the computer's USB port for real-time use.

pulsed-DC tracking technology to control the distorting effects of non-magnetic metals in the immediate working area. It is the only magnetic tracker unaffected by common nearby metals, such as stainless steel (300 series), titanium, and, with user selectable frequency adjustment, aluminum. Its advanced control techniques provide high signal-to-noise performance for stable, quiet tracking of position and orientation (six degrees-of-freedom) measurements. driveBAY's also eliminates jitter in measurements caused by "power-line" noise sources -- without reducing its fast, dynamic tracking.

Chuck Stevens, Ascension's Engineering Manager, states "driveBAY incorporates the latest advancements in digital signal processing and Kalman Filtering." As a result, it carries "the computational horsepower of larger magnetic tracking systems, but now in a much smaller package. It also contains extensive onboard diagnostics to detect abnormal conditions and make run-time corrections."

Environmentally friendly, driveBAY is RoHS and WEEE compliant and meets all pertinent electrical and safety standards.

About Ascension: Based in Burlington, Vermont, USA, Ascension is a world leader in magnetic and optical products for real-time tracking, navigation and guidance in virtual reality, visualization, biomechanical, simulation, animation, medical, and military applications. More information is available at www.ascension-tech.com. Contact us directly at 802-893-6657, ext 10, or sales@ascension-tech.com

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