



Acutime™

6-Channel GPS Smart Antenna

*Tracking &
Communication
Products*

*A versatile GPS platform for positioning,
navigation and timing applications*

Since its introduction in 1991, the Acutime smart antenna has tracked weather buoys and long-haul trucks, corrected precise time standards, synchronized data and communication networks, and tagged seismic and other events. Each of these diverse applications required a rugged, high-performance, easily-integrated GPS platform.

Acutime is a six-channel GPS receiver and antenna housed in a single, rugged enclosure. The entire package

mounts like an antenna. Acutime is a self-contained, shielded and sealed unit with an integral power supply and digital interface. Consequently, Acutime is far easier to integrate than individual components and offers both exceptional performance and reliability. Once power is applied, Acutime operates automatically and outputs accurate position, course, speed and time over its serial interface port.

In addition to serial data, the Acutime outputs a timing pulse (one pps) synchronized to UTC within one microsecond (nominal).

The Global Positioning System's

accurate time information is quickly replacing many older, less-accurate technologies. Each GPS satellite has redundant atomic clocks which are continuously monitored and synchronized to UTC. After achieving an initial position fix, the Acutime can maintain accurate time while tracking a single GPS satellite.

Acutime offers robust performance in a versatile, easy-to-integrate package. It is no surprise then that the Acutime continues to be selected for a diverse range of GPS applications, including precise timing.

