

SOLUTIONS FOR:



Engineers

Stay focused on your own product innovation and rely on our sensor expertise.



CTOs & Project Managers

Speed your time to market for your next-gen products.



Purchasers

Discover a trusted partner with flexible business models to meet your needs.



Customers

Make customers happy with innovative features that can be easily integrated into your product.

MOTION SENSORS FOR ATTITUDE ALIGNMENT & MONITORING

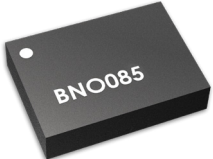
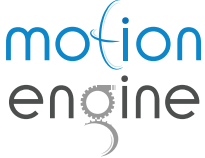
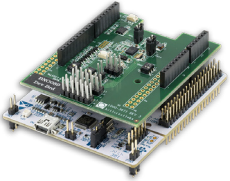
Hillcrest Labs develops sensor technology for attitude alignment and monitoring that is used in applications where precise heading and orientation of a fixed asset are critical. Getting the proper alignment of equipment, such as antennas, is often difficult due to size, weight or space constraints. Having an easier way to align equipment while in place leads to faster setup, and the ability to monitor movement or changes in alignment over time can result in more consistent performance and lower support costs.

We've developed a planar calibration process that requires very little movement. Typical calibration of a 9-axis sensor requires multiple rotations, which is difficult with large equipment. Our planar magnetometer calibration only requires a simple 90-degree rotation. And once set up, our products dynamically calibrate to maintain accuracy over time.

With our sensors, you'll know if a service interruption is because the equipment suddenly moved. If it was, you know to send a technician; if you're confident it's in the right spot, your support staff can troubleshoot from afar. Understanding the situation of your product lets you support customers quickly while improving your bottom line.

FLEXIBLE SOFTWARE, CHIP LEVEL & MODULE LEVEL PRODUCTS

All of our hardware components include our MotionEngine™ sensor fusion technology.

BNO085 IMU	MOTIONENGINE SENSOR FUSION SOFTWARE	DEVELOPMENT KITS
<p>A convenient System-in-Package (SiP) with a 9-axis sensor and sensor fusion—a pin-for-pin replacement of BNO055</p> 	<p>Versatile and powerful sensor fusion software, delivered into more than 100 million consumer electronics devices</p> 	<p>Demonstration and evaluation platforms for our most popular products</p> 

GET STARTED TODAY

Our expertise built from over 15 years of developing sensors and sensor fusion software hasn't gone unnoticed. We're trusted by major brands such as LG, Samsung, TCL, Sharp, and more, with over 100M products shipped. We're ready to work with your technical team to support integration of our technology into your attitude alignment application. To learn more, contact us online at hillcrestlabs.com/contact.

