

K-AHRS

Attitude & Heading Reference System



K-AHRS Sensor

High performance Heading, Bank and Elevation

K-AHRS is an AHRS (Attitude & Heading Reference System) that precisely measures roll, pitch, yaw angles as well as the heading angle. Unlike Digital Magnetic Compass (DMC) systems, K-AHRS is able to calculate heading angles under heavy magnetic interference and disturbance. Moreover, unlike DMC systems, it can correctly calculate tilt (roll / pitch or bank / elevation) angles of dynamic systems under motion. K-AHRS includes a 3D accelerometer, a 3D gyroscope and a 3D magnetometer as its primary sensors and a powerful microprocessor to employ its advanced sensor fusion / AHRS algorithms.

- **Fully compensated magnetometer, less affected by magnetic field disturbances or ferromagnetic materials.**
- **Suitable for dynamic systems under acceleration thanks to its sensor fusion filters and algorithms.**
- **Numerous modes, settings and options for utilization with great flexibility**
- **Advanced drift avoidance algorithms to ensure maximum reliability**

Roll/Pitch Accuracy	Heading Accuracy
Static: 0.1° RMS Dynamic: 0.25 ° RMS	Static: 0.25° RMS Dynamic: 0.5 ° RMS

