iAHRS-V3

AHRS · iAHRS-V3

Attitude and heading sensor focused on low inertial noise and heading measurement (RB-SDA-v3 platform)

Representative image · V3 (RS-232) appearance · rendered from the actual assembly 3D model

Coming soon · KC registration in progress · Sales begin after registration is complete.

Key features

Sensor configuration
Attitude and heading sensor combining the IMU inertial sensor and MAG magnetometer

USB common + interface by model
Base USB + RS-232 · _1 USB + CAN · _2 USB + RS-485. One unit provides USB plus the one additional interface selected

Machine-frame attitude · logging
Use zero and mounting-angle settings for machine-frame attitude, and record CSV data with the PC software

Form · interface · sensor configuration

Form	Housed sensor module (aluminium housing per manual) · RB-SDA-v3 sensor platform
Interface models	iAHRS-V3: USB + RS-232 · iAHRS-V3_1: USB + CAN · iAHRS-V3_2: USB + RS-485
Inertial / magnetometer	6-axis IMU / MAG
Outputs	Roll · pitch · yaw, quaternion, acceleration · angular rate · magnetic field (see manual)
Power · pinout	See the manual and drawings for the selected interface model

Application examples

- Machine inclination check — define the mounting reference and zero, then evaluate stationary repeatability, temperature and machine vibration separately
- Heading (yaw) configurations — calibrate the magnetometer at the mounting location and check nearby magnetic sources (motors, steel, power wiring)
- Direct RS-232 connection to a machine controller (base model) — wiring, rate and frame format per the manual

Downloads · inquiry

Product page

Product page robor.co.kr/product-info/en/iahrs-v3.html
Manuals · downloads robor.co.kr/downloads/
Quotation and supply schedule inquiry robor.co.kr/inquiry.html

Availability: Coming soon · KC registration in progress · Sales begin after registration is complete.

See the model manual for power, pinout, connection requirements and detailed specifications. Application examples support configuration planning. Contact ROBOR for pricing and supply schedules.

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