

Housed 9-axis AHRS sensor with USB and RS-232 — connects directly to research, robot and mobility equipment



Representative image · rendered from the original STEP model

Available (Naver SmartStore) · quotation and supply schedule on inquiry

Key features

9 DOF AHRS

Fuses 3-axis acceleration, gyro and magnetic data with a Kalman filter to output attitude (roll, pitch) and heading (yaw)

Direct USB · RS-232 connection

USB virtual COM and RS-232 (RS232C) · factory default 115200 bps (manual)

Logging · analysis

CSV logging and charts in the bundled program, plus FFT vibration frequency and magnitude from acceleration and angular rate (manual)

Form · interface · sensor configuration

Form	Housed 9-axis AHRS sensor · available
Interface	USB (virtual COM) · RS-232 (RS232C) · default 115200 bps
Sensor configuration	3-axis acceleration + 3-axis gyro + 3-axis magnetic + temperature (9 DOF)
Outputs	Roll · pitch · yaw (Z-Y-X), quaternion, raw sensor data, FFT results (see manual)
Dimensions	35 × 35 × 10 mm (manual 1.2.1 specification)
Power	USB 5 V / external power connector 4.2-12 V · see the manual for pinout

Application examples

- Research motion logging — mount on a test fixture, connect to a PC over USB and log roll, pitch and yaw as input for repeated-motion comparison and algorithm development
- Direct connection to an RS-232 controller to receive orientation data — wiring and rate per the manual
- Vibration check — FFT frequency and magnitude in the bundled program (feature availability and field diagnostic performance require separate validation)

Downloads · inquiry



Product page

Product page

robtor.co.kr/product-info/en/rb-sda-v1.html

Manuals · downloads

robtor.co.kr/downloads/

Quotation and supply schedule inquiry

robtor.co.kr/inquiry.html

Availability: Available (Naver SmartStore) · quotation and supply schedule on inquiry