UAVSale

SNC100C-DGI Inertial Satellite Integrated Navigation System

MD-P00340 · md-snc100c-dgi-inertial-satellite-integrated-navigation-system

SNC100C-DGI integrated navigation system is composed of MEMS sensors and high-end GNSS receiver board (novatel-718d), which is realized by multi-sensor fusion and navigation algorithm. The product has high reliability and strong environmental adaptability. By matching different software, the product

TECHNICAL SPECIFICATIONS

Project	index
Heading accuracy	Dual GNSS (2m baseline) / 0.1 （RMS ）
Single GNSS	0.2 （RMS ）
Post processing	0.03 （RMS ）
Course hold (GNSS failure)	1 /min （RMS）
Attitude accuracy	GNSS valid (single point L1 / L2) / 0.1 （RMS ）
Inertia / odometer combination (optional)	0.1 （RMS ）
Hold (GNSS failure)	1 /min （RMS）
Horizontal positioning accuracy	GNSS valid, single point L1 / L2 / 1.2m （RMS ）
RTK	2cm+1ppm （RMS ）
Horizontal velocity accuracy	GNSS valid, single point L1 / L2 / 0.1m/s （RMS ）
Inertial / DVL combination (optional)	0.2m/s （RMS ）
Gyroscope	measuring range / 450 /s
Zero bias stability	2 /h
Accelerometer	measuring range / 16g
Communication interface	RS422 /RS232 / 7road
Can (optional)	1The baud rate of each channel is up to 1Mbps, and the transmission frequency is up to 200Hz
Ethernet interface	10M
Odometer differential input (optional)	2road
PPS	1road
EVENT	1road
Electrical characteristics	Voltage / 9~36VDC

power waste	10W
Built in memory (optional)	16G
Structural characteristics	size / 117mm 96mm 47.8mm
weight	0.7kg
Use environment	working temperature / -40 ℃~+60 ℃
Storage temperature	-45 ℃~+65 ℃
Vibration	5~2000Hz，2g
to attack	30g，11ms
Reliability	MTBF / 30000h
life	>15 years
Continuous working time	>24h

CERTIFICATION

Certification status is confirmed per order and is not published in the catalogue listing. Request the current declaration, test reports or conformity certificates from our sourcing team.

ORDERING INFORMATION

Model	SNC100C-DGI Inertial Satellite Integrated Navigation System
Part number	MD-P00340
Lead time	30 days
Minimum order	1 unit
Supply	made_to_order

Generated from the UAVSale product catalogue. Figures are manufacturer-supplied and subject to configuration. For the current revision and full documentation set, contact our sourcing team.