UAVSale

UAV Satellite Navigation Receiver

MD-P00480 · md-uav-satellite-navigation-receiver

Product introduction and use

TECHNICAL SPECIFICATIONS

Operating frequency point	BDS B3 / 1268.52 MHz 10.23MHz
Anti-narrowband interference capability	B3 frequency point anti-narrowband interference not less than 60dB
Dynamic measurement range	Speed / 100m/s
Acceleration	1g
Positioning time	Cold start time / 60s (C / a code, P code) (1) ）
Recapture time	2S (lock loss time not more than 30s)
Measurement accuracy	Single point accuracy / Horizontal 4m (1))，Vertical 6m (1))，Speed accuracy 0.1m/s (1) ）
Differential accuracy	Horizontal 1m (1))，Vertical 1m (1))，Speed accuracy 0.05m/s (1) ）
Data output frequency	Second pulse: frequency / 1Hz ；Accuracy: 20ns (1) ） The update rate of satellite navigation information is 10Hz
Airborne equipment	Power supply interface / One power supply input interface: Input Voltage 5V 0.5V
PPS second pulse interface	1 A PPS second pulse output interface outputs RS422 PPS information
Receive differential information	1 Two receive ground differential information, two-way RS422, and the baud rate is 115200bps
Can bus interface	A CAN bus interface with baud rate of 500kbps. The two-way can bus outputs satellite navigation information to the flight control computer
Ground equipment	Power supply interface / One power supply input interface: input voltage 9v-32v
Send differential information	1 Send ground differential information, bidirectional RS232_A. The baud rate is 115200bps
Send reference information to ground computer	1 Send reference information, bidirectional RS232_B. The baud rate is 115bps
Second pulse	frequency
1Hz ；Accuracy	20ns (1) ） The update rate of satellite navigation information is 10Hz
One power supply input interface	Input Voltage 5V 0.5V

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	UAV Satellite Navigation Receiver
Part number	MD-P00480
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.