

FLYBOX

SIMPLE AND COMPACT GNSS RECEIVER

professional solution



Strong Event ©



Forget about false events while working with external devices (for example, a camera during aerial photography).

The built-in comparator cuts off excess events. Each photo corresponds to only one event for easily post-processing.

FLYBOX is a simple compact GNSS receiver with an external antenna. This device has the enclosure which provide EMC protection.

You can setup build-in comparator for define value of silence period. All "false" events out of this period will cut off. So, for example, each photo will corresponds to a single event while aerial photography.

- **GPS: L1 C/A, L2C, L2P, L5**
- **BeiDou: B1, B2, B3**
- **GLONASS: L1 C/A, L1P, L2 C/A, L2P**
- **Galileo: E1, E5a, E5b**
- **Internal SD-logger**
- **Easy setup**
- **Reliability work**
- **IP65**



More info

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TECHNICAL SPECIFICATIONS

Signal Tracking

- 574 Channels:
 - GPS: L1 C/A, L2C, L2P, L5
 - BeiDou: B1, B2, B3
 - GLONASS: L1 C/A, L1P, L2 C/A, L2P
 - Galileo: E1, E5a, E5b
 - SBAS: WASS, EGNOS, MSAS, GAGAN

Performance Specifications

- Cold start: <60 s
- Warm start: <45 s
- Signal reacquisition: <3 s
- Velocity accuracy: 0.03 m/s
- Acceleration: 4 g
- Overload: 15 g
- Time accuracy: 20 ns

Positioning Specifications

RTK

Horizontal: 8 mm + 1 ppm
Vertical: 15 mm + 1 ppm

DGPS

< 0.4 m 3D CKO

Standalone

< 1.5 m 3D RMS

SBAS

< 1 m 3D RMS

Post-Processing

Horizontal: 2.5 mm + 1 ppm
Vertical: 5 mm + 1 ppm

Communications

- 1 USB
- 1 Event Marker input
- GNSS antenna Lemo1 mini (f)
- 2 LED indicators show the working status

Data Format

- Correction data I/O: RTCM 2.X, 3.X, CMR (GPS only), CMR+ (GPS only)
- Position data output:
 - NMEA-0183
 - ComNav protocols
 - Data output rate: 1 Hz, 2 Hz, 5 Hz, 10 Hz, 20 Hz *

Physical

- Size (L × W × H):
135 mm × 76 mm × 27mm
- Weight: 300 g

Environmental

- Working temperature: -40 °C to + 80 °C
- Storage temperature: -55° C to + 95 °C
- Humidity: 95% no condensation

Electrical

- Input voltage: +7.0 V ~ +18.0 VDC
- Power consumption: up to 1,7 W

* *Optional*

Specifications subject to change without notice.

