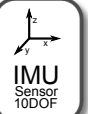


Key Features

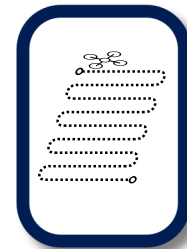
- L1 GNSS multi-constellation receiver (GPS, GLONASS, Galileo, SBAS)
- Higher positioning accuracy due to GNSS raw data processing
- GNSS raw data logging on internal SD card
- Integrated wireless communication
- Additional sensors for positioning
- Integrated battery and data storage



Selected application examples of the A07 in the UAV domain:

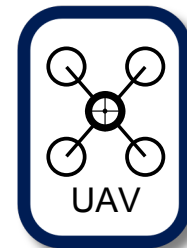
Centimetre accurate determination of flight tracks

The Alberding A07 records the GNSS raw data of the UAV's flight track on the internal SD card. Afterwards, the UAV's flight track can be determined in a post-processing analysing GNSS carrier phases. The UAV's positions are within centimetre accuracy relative to a GNSS reference station.



Sub-metre accurate positioning of the UAV

The A07 obtains DGNSS corrections from a server (Ntrip Caster) and directly computes a DGNSS-corrected position with an accuracy of 1m or better. The UAV's positions can be either stored on the internal SD card or transmitted to a server via mobile Internet (GPRS).



Centimetre accurate control point determination

With the help of the A07 centimetre accurate positions can be determined in a post-processing. First, the A07 are set up on various control points. The GNSS raw data is logged on the internal SD cards. After the measurements the data is transferred to a PC and will be evaluated in a post-processing.

