

Personal Navigator Featuring GNSS Receiver



Alberding, a German developer and distributor of professional GNSS system solutions, has recently announced the Alberding A07 personal navigator featuring NVS Technologies'™ NV08C-CSM high-performance, multi-GNSS constellation receiver.

The Alberding A07 is a low-cost single frequency GNSS receiver designed for personal navigation and other sub-metre accuracy positioning applications in an urban environment. This device integrates NVS Technologies' NV08C-CSM multi-constellation (GPS, GLONASS, GALILEO, COMPASS and SBAS) L1 receiver with GPRS and Bluetooth communication modules, an RFID reader and a processor. The Alberding A07 comes with an integrated GNSS antenna, but for monitoring and tracking applications it is also available with an external antenna.

The Alberding DGNSS processing algorithm and Kalman filter take raw GNSS observation data to compute a highly accurate position solution in real time. Position information can then be transmitted via Bluetooth to custom-specific applications running on smartphones, for instance. As an example, the Alberding A07 can assist blind or visually impaired people with orientation and navigation on the streets.

<https://www.gim-international.com/content/news/personal-navigator-featuring-gnss-receiver-2>
