

Navilock Multi GNSS Satellite Navigation Receiver Family with New u-blox 8 Chipset UBX-8030-KT



Berlin - January 09, 2015 - Navilock, a trademark of Tragant Handels- und Beteiligungs GmbH, releases the new Navilock GNSS receiver family with u-blox UBX-8030-KT chipset. Karsten Reschke, Product Manager, said: "We are excited to be the first company worldwide to offer our customers products with the u-blox M8 chipset."

Compared to the u-blox M7 generation, a lot has happened. The new chipset addresses a larger number of satellites, now 72 in total. Additionally, it has a higher receiving sensitivity using -167db. Here, the portfolio is topped off by simultaneous use of multiple GNSS (multi GNSS) as well as by significant expansion of connecting options, such as micro USB, mini USB, and 4-pin plug (TTL). Also, cables were lengthened to 4,5, 5, and 10 meter to eliminate unnecessary extensions, when laid accordingly.

The original family of Navilock receivers has existed for approx. 10 years, and their appearance has almost never changed. The advantage of this is that developments once made for project integration still remain valid. Customers receive state-of-the-art technology in the familiar, waterproof casing with known and expanded connections.

The receivers are able to simultaneously receive and evaluate signals from various satellite navigation systems. Depending on the user's choice, each two active GNSS can be used at the same time. This increases the reliability of measurements. GNSS available are GPS (USA), GLONASS (Russia), BeiDou (China), Galileo (Europe), and QZSS (Japan). Additionally, SBAS signals for correction are employed. Satellite systems for correction summarized under the term SBAS are for example WAAS (America), EGNOS (Europe), MSAS (Japan), SDCM (Russia), and GAGAN (India). Use of SBAS additionally improves positioning accuracy. The M8 achieves maximum receiving sensitivity by use of SBAS, it is 2m (CEP).

The new Navilock receiver family includes 19 items available for immediate delivery.

Options to use the Navilock GNSS receiver can be found in all areas of life and work, such as the economy, science, technology, Navilock GNSS receivers may be used by a vehicle monitoring center to control and locate vehicles carrying valuable or hazardous freight. Here, the GNSS receiver provides data for geo-localization, as well as for time recording. When an accurate time basis is needed in the range of microseconds, Navilock GNSS receivers can be used for instance to synchronize control and communication systems.

For this purpose, the PPS (PULS PER SECOND) signal is provided via a separate pin for the first time.

For further information on other Navilock products, please go to www.navilock.de.

You can find the entire press release, including data and pictures, under http://www.tragant.de/mail/presse/02_15/02_15_home.html

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