

SX-NSR

GNSS Navigation Software Receiver



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SX GNSS Solutions for the Scientific Community

GPS & SBAS
Galileo
GLONASS
GNSS

Software based
signal
processing
Flexibility

Scientific
signal analysis
R & D
Applications

The SX-NSR multi-GNSS Navigation Software Receiver supports the major GNSS (GPS, Galileo, GLONASS and SBAS) in real-time with the NavPort RF front-end. With the integrated barometer sensor and the capability to synchronize an external IMU / magnetic sensor, also advanced sensor fusion applications are supported.

The signal processing is highly flexible, being completely implemented in software. With a SW licensing scheme, GNSS signal capabilities can be unlocked according to the individual needs. This enables signal processing configurations beyond current receiver technology. The user can also insert new customer specific processing functions using the SW-APIs.

With this GNSS software receiver, a flexible and customizable tool is available for the scientific GNSS community. The SX-NSR supports the major GNSS signals making it an indispensable tool for sophisticated signal analysis, such as the evaluation of ionospheric scintillation monitoring, multipath, reflectometry and interference.

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