

EuroMon

Monitoring Software

The EuroMon software is a controlling tool for DGNSS positioning solutions. Therefore EuroMon records and displays the measured positions for one or more monitoring receivers. Besides the DGNSS corrected and standalone positions EuroMon monitors also the correction data (pseudorange and rangerate corrections) itself.

To check on quality and availability the position information is displayed graphically on a well structured user interface. The display format for positioning solutions is selectable as NEH (North, East, Height), 3D or scatter plots. DGNSS correction data can be tested on continuity, integrity, accuracy and availability. A skyplot gives an information about the number and constellation of the satellites above the horizon.

The comparison of positioning solutions from different DGNSS sources (single station, networking, EGNOS, ...) or different days is displayed using multiple colours. EuroMon takes standard input formats like NMEA and RTCM or direct data from other Euronik products. Adaptations concerning input formats and output graphics are possible.

A web based interface allows direct access through the Internet. Due to the usage of Internet standards for generating plots and pictures cost-effective transfer systems like DSL can be used. The graphics can be reviewed with standard Internet browsers.

The flexible structure of EuroMon and the ongoing developments allow a smooth integration of the monitoring into already existing concepts. The result is a homogeneous interface for users and provider of DGNSS data streams.

The DGNSS service operators and their customers get an easy straightforward access to current system status information. EuroMon gives the vendor of DGNSS correction data information of the system quality and shows the user the currently available accuracy.

EuroMon is available in a light version for monitoring of one station via standard NMEA data input or in a complex version for different data streams and solutions. A smart tool with great value to the users.



- Quality analysis software for DGNSS positioning and correction data.
- Support of standard import formats like NMEA or RTCM.
- Result and system plots (NEH, 3D, scatterplot, skyplot, pseudorange corrections, completeness, ...).
- Graphical comparison of different position solutions (single station, network, ...) and different sessions.
- Interactive graphical overview showing station distribution and network geometry.
- Access by standard Internet browser.
- Operating system independent.

