Leica Geosystems Announces System 1200 Firmware version 2.10

Leica Geosystems (Switserland) has released the new firmware version 2.10 for System 1200. This version further expands the functionality of the GRX1200 Series of GPS reference station receivers with a Web Interface and BINEX output. Additionally, GX1230 RTK rovers now support the new RTCM v3 network RTK format.

The Leica GRX1200 sensors are now equipped with a web interface which allows user-friendly configuration and operation of the instrument using a standard web browser.

The Web interface includes everything needed to configure the instrument and to provide conventional RTK corrections through one or more of its ports, to log raw data onto the CF card, and to stream GPS data to other users. Ethernet connections as well as serial cables can be used to establish connections between the computer running the web browser and the sensor.

The web interface can be used for advanced configuration of sensors running in a GPS Spider network, or to operate a GRX1200 reference station without external control software at the same time being independent from any computer operating system.

In addition to the security provided by its proprietary operating system, and IP access range restrictions, the GRX1200 sensors are now equipped with SSL (Secure Socket Layer) encryption for an even higher degree of security.

The GRX1200 sensor supports BINEX (Binary Exchange Format). This is an exchange format for GPS data defined by UNAVCO, and is often used in scientific projects involving GPS reference stations. Real time streaming of BINEX data is now supported for all Leica GPS1200 sensors.

With Firmware version 2.10, Leica GX1230 RTK rovers will be able to receive and apply network RTK correction messages conforming to the upcoming RTCM v3.0 format standard and the Master-Auxiliary Concept; this will allow them to benefit from even higher precision and accuracy at greater ranges compared to conventional single-station RTK. Leica GPS Spider 2.0 / SpiderNET is the first network RTK software on the market able to support the generation and transmission of network RTK messages utilising the Master-Auxiliary Concept, all the time being in full compliance with this new RTCM v3.0 standard. Leica Geosystems has been significantly involved in the development of the Master-Auxiliary Concept including its conception and subsequent definition as new RTCM v3.0 messages.

https://www.gim-international.com/content/news/leica-geosystems-announces-system-1200-firmware-version-2-10