

PORTOS Recorder with Streamer software

Applications

- Recording RF GNSS signal to a computer. The recorded GNSS signal can be:
 - processed by a software receiver in post-processing mode,
 - or played back as RF signal through a Simceiver device.
- Operating as a front end for GNSS receiver. Front end API is available for seamlessly connecting a front end to user receiver.

RF Recorder functions

Name	Clock	RF Antenna inputs	Signals	Picture	Default format	Maximum bandwidth MHz	Maximum sampling [MS}	Applications
Eagle-2	TCXO	2	GPS L1		2-bit, I-only	4 MHz	16.368	Reflectometry, RTK, high sensitivity.
ATOS-L1	OCXO	1	GPS + Galileo + GLONASS/BeiDou L1		2-bit, I-only	8 MHz	32.736	Academia, R&D
ATOS	OCXO	1	GNSS L1 + GNSS L band (GPS, Galileo, GLONASS, BeiDou, NavIC) L1,		2-bit, I-only	16 MHz	32.736	Academia, R&D
PORTOS	OCXO	4	Up to four GNSS signals in L(S) band		2-bit, I-only	16 MHz	32.736	All GNSS ; multi-frequency; reflectometry; high sensitivity dual frequency differential , dual frequency RTK, CRPA

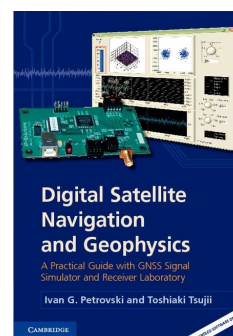
Streamer RF recording software

- * implements user friendly GUI, Windows 10 PRO or 7 OS,
- * provides record progress and quality monitoring,
- * allows user to specify a number of sessions of various duration, starting at different times in automatic mode,
- * allows to start recording with a delay.
- * Control software and drivers are included.
- * The recorded signal can be used by almost any GPS software receiver, for example with open source MATLAB software receiver bundled with Prof. K. Borre et al. book.

Front end real time API

- * Allows to integrate front end with user applications, such as software receivers.
- * Provides a control over real time data streaming

GNSS receiver



Front ends can work in real-time with our ARAMIS GNSS receiver.

The recorded signal can be processed by free academic version of GNSS receiver bundled with Dr. Petrovski and Dr. Tsujii book from Cambridge University Press