

Tracking features

Supported navigation systems:

GPS, GLONASS, Galileo, WAAS/Egnos

Number of channels: 216

Number of satellites: all-in-view

Supported frequencies:

GPS: L1, L2, L5

GLONASS: L1,L2 option: L3

GALILEO: E1, E5A , option: E5B, altBoc, E6

Supported codes:

GPS: L1C, L2C, L1P, L2P, L5P

GLONASS: L1C, L2C, L1P, L2P option: L3

GALILEO: E1, E5A , option: E5B, altBoc, E6

Input/Output

3-20 MHz frequency input (adjustable)

Local 1 PPS input

1PPS output

Antenna TNC connector

1000BASE-T Ethernet port

2 USB connectors on the front panel

2 USB connectors on the rear panel

Data characteristics & availability

Data type: Code and Carrier

Data output format: CGGTTS, RINEX. **The only**

CGGTTS Glonass/Galileo receiver on the market.

Data formats meet all formal requirements.

Data availability:

CGGTTS: 30 sec after each 13-min. observation session is finished

RINEX: real time

Physical & Enviromental

Main unit dimensions:

(410mm x 298mm x 133mm)

Rack ready, chassis made of heavy duty metal

Screen - 7" TFT LCD

Resolution 1024 x 600

Operating voltage: AC 230V +/-10%, 45 to 60 Hz

or AC 110V +/-10%, 55 to 65 Hz

Redundant power supply support

Operating temperature: 0°C to +50 °C

Time stability

Precision for phase observation for a short term, short baseline precision <12ps rms

Precision for code observation <0.4ns rms

(receivers connected to the same reference standard)

Antennas



Standard antenna



Choke ring antenna



Temperature stabilized choke ring antenna

Our main concern is improvement of TTS-5 performance. In result, every several months software upgrade is released and all TTS-5 users are notified. Software upgrades are free of charge.

We offer free of charge permanent customer assistance.

Time Transfer System TTS-5 is in compliance with requirements of European Union laws.

