

RTS1600

OUR GEKKOS TOOK OFF TO THE SKIES



The entire range of Gekko antennas are now fully autonomous

The RTS-1600 is our new plugin complete radar system designed for our world-renowned Gekko series of antennas. It seamlessly integrates with the full range to provide an unique experience of autonomous deep ground penetrating radar surveys .

The RTS-1600 is intended to be used in a WiFi link communications fashion, but it can also be operated using an USB connection or saving the data onboard for autonomous rover mode.

The RTS-1600 has an input for GPS receivers that provides easy geo-referencing of the collected data.



GEOSCANNERS
geophysical survey solutions

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The plug-in that took the Gekkos to the open skies. Maximum penetration available on the market from a drone mounted system.

RTS-1600

The RTS-1600 is a fully integrated Ground Penetrating Radar control unit designed from the ground up for our Gekko series of deep penetration surveys antennas.

This unit addresses the problem of deep surveys in extremely difficult terrain where other GPR system deployment is impractical or impossible.

The RTS-1600 has a real time sampling engine under the hood with a fast transmitter PRF.

These two features combined provide an outstanding high stacking values for a significantly improved SNR of the system.

Like all other fully integrated airborne systems manufactured by Geoscanners AB, the new RTS-1600 has an internal data storage that permits surveys in autonomous mode without the need for the computer to be connected to the unit at all times. This eliminates the possibility of data losses.

Parameter	Value
Supported Center Frequency	up to 250MHz
Transmitter Output	400V
Trace Range	2048ns (Offset of 64ns Available)
Sampling Rate	0.5GSa/s
Samples/Trace	1024
Data Storage	Compressed 32-bit Data
Operation Mode	WiFi, USB or Rover (Autonomous)
Dimensions WxLxH	230x133x82mm
Weight	1kg



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