



 no more GCP surveys!



place, switch on... go!



fly and survey all-at-once!

REVOLUTIONINIZING GEO-REFERENCING!

the world's
first GNSS-
based online



*Active
Ground
Control
Target*

G1-AT ONLINE *Ground Control Active Target System*

GNSS-based ground control solution for aerial surveying and mapping and geo-referencing applications

KEY FEATURES

- Convenient
- Fast turn around—Real-time results
- A flick of a switch to operate
- No previous knowledge of GNSS required; data acquisition and processing happen automatically on the server
- On-line storage of acquired data for post processing
- Less expensive than conventional GCP survey

*G1-AT consolidates (1) flying passive targets, (2) surveying their locations, then (3) computing target locations in post mission into only **one step** of operating the active target on the ground while flying the site—the G1 server acquires the GNSS data and locates the target in real time!*

HOW IT WORKS

1. PLACING THE ACTIVE TARGET

User places the G1-AT on the ground and powers it on

2. FLYING THE SITE

User flies the mission including the target site

3. LOCATING THE TARGET ONLINE

User gets real-time location information of the target on the G1 server through a web browser (each user has a unique username and password and each target has a unique ID)

Target location file stream is preformatted text that can be fed into another application, e.g. an aero-triangulation, GIS, or flight control application

NOTES

- * user provided or other sizes available upon request

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SPECIFICATIONS

ACTIVE SENSOR

Mechanical

- Dimensions: 4"× 4"×2.5"
- Weight: 1/2 lb.
- Connector: 1/4"-20 F plug

Power

- Consumption: 1.0 W max.
- Input Voltage: 5 VDC

Signal and Data

- Real-time DGPS/RTK
- online binary and NMEA-0183 (optional)

Accuracy

- iRTK: 0.05 to 0.30m > 60 min
- fRTK: < 0.30 m within 30 min
- DGPS: < 1.0 m immediately

Communication

- Cellular-based network

Environmental

- Temperature: -40°C to +85°C
- Humidity: 95% non-condensing

TARGET*

- Size: 12"X12"X1/4" (typical)
- Weight: 1/2 lb.
- Color: Black and White
- Material: Aluminum Composite Sign Panel Sheet

DATA TERMINAL

- Any web browser (user provided)

G1-AT PACKAGE

- G1 active sensor
- G1 12" x 12" Target* (as depicted in picture)

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