

# TRACKER uGPS TAG

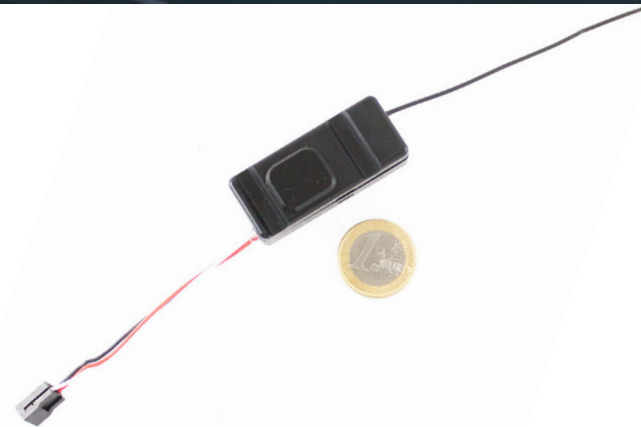


The Tracker uGPS Tag is a miniature tracking device with the benefit of real-time GPS tracking using a dedicated RF link without the need for a commercial bearer and the redundancy of RDF in a small package.

GPS positions can be stored locally on the tag for pattern of life analysis. Positional information can be recorded based on a number of criteria such as start/stop motion. To keep power consumption at a minimum, a user can retrieve the GPS records via a physical USB connection.

In order to save power and to prevent detection using technical surveillance countermeasures (TSCM), the Tracker uGPS Tag can be commanded into a sleep mode by any Tracker receiver. This means that the RF signature of the device is undetectable by scanning equipment.

In the event of TSCM being carried out, the narrow band and low power nature of the technology transmission means that it is extremely difficult to detect. As a result, the Tracker uGPS Tag is the perfect solution for tracking 'technically aware' subjects

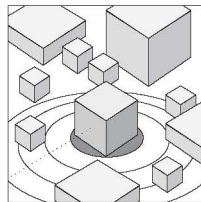


## Features:

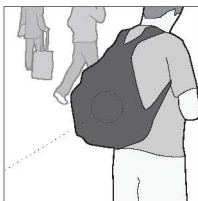
- Provides Real-time GPS 'dot on map' location without the need for a commercial bearer
- RDF provides geo-location in GPS denied environments such as inside buildings or within intentionally denied environments
- Operates in GPS denied environments, within buildings or where intentional jammers are deployed
- Build pattern of life information whilst not tactically tracking the subject
- Low power, narrow band, pulsed transmission in dedicated bands minimise the risk of detection
- Remotely commandable operating modes to suit mission phase and manage battery power, maximise mission duration enabling a 30 day deployment from internal batteries
- Ability to re-frequency tags in the event that an interferer is discovered within the tracking band
- The RF link is resilient to jamming; enabling an operator to track a tag even if a GPS/GSM jammer is deployed



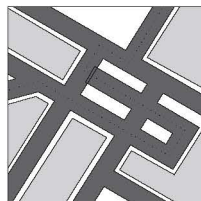
Tracking people



Tracking packages



Covert tracking



Pattern of Life

# TRACKER uGPS TAG

## What is included when buying the Tracker uGPS Tag\*

- Tracker uGPS Tag
- Custom Polymer Li-Ion Rechargeable Battery and Charger
- External Power and Trigger Cable
- Ferrite Beads
- Configuration Cable
- Standard USB-A to Mini USB-B Cable
- USB Stick

All items are delivered in a ruggedized pelicase with custom cut foam inserts to provide the best protection for the equipment during transport and to make it easy to find the right component when needed

\*A detailed list of the product contents can be supplied upon request.

## Specifications

Radio	Frequency	Synthesised UHF band 860-870MHz 902-910MHz
	Output power	+17dBm
	Rx Sensitivity	Better than -125dBm
	Channel Spacing	2kHz
	Trigger Input	<b>Make/ Break</b>
	GPS Receiver	uBlox LEA 8T
	Radio Approvals	<b>Tested to ETS EN300-220-1</b>
Power	External Power Source	3 – 5V DC
	Current @3V	Sleep 310µA TX 53.7mA TX with GPS 111mA
Environment	Temperature	-10°C to +40°C operating -15°C to +45°C storage
Physical	Size (W x L x H)	With GPS Ae: 17.4 x 46.9 x 11.6 mm  Without GPS Ae 17.4 x 46.9 x 7.5 mm
	Housing	Supplied as OEM or canned