

The logo for DTC, consisting of the letters 'DTC' in a bold, white, sans-serif font against a dark blue background.

Nugget Phase 3 Unattended Ground Sensor

The new sensor for covert surveillance

A close-up photograph of a muddy boot print in reddish-brown soil. The print shows a complex tread pattern with several rows of chevron-like shapes. The background is a blurred, textured surface of the same soil.

**Covert. Tactical.
Reliable**

The Nugget Phase 3 Unattended Ground Sensor joins DTC's elite family of video, audio, telemetry and IP products. Created for covert operations for military, law enforcement, security and a variety of challenging environments, it is a fully portable ground sensor system that can be used to identify potential perimeter incursions and enhance tactical awareness.

Next generation ground sensor

Nugget Phase 3 Unattended Ground Sensor (UGS)

The new sensor for covert surveillance.

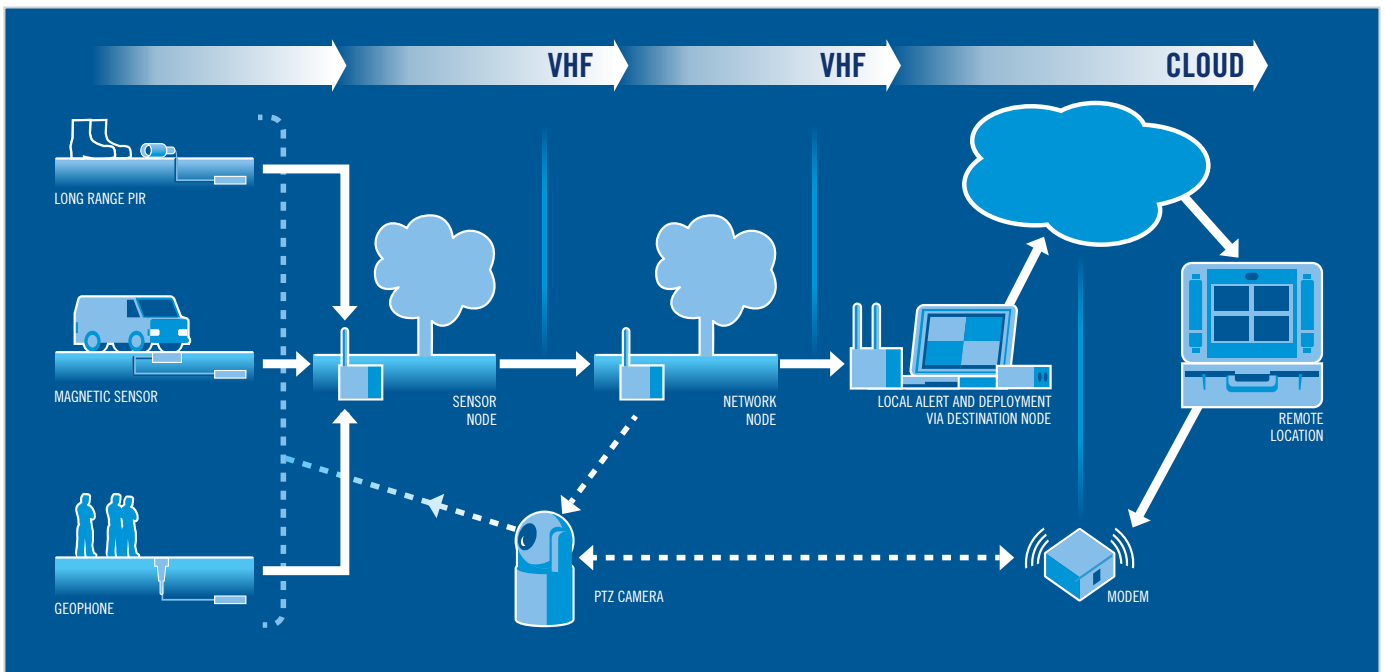
The Nugget Phase 3 Unattended Ground Sensor is a fully portable surveillance sensor system. It can detect the presence of an intruder via its internal or external sensors and sends an alarm to Mission Commander, DTC's Command & Control software interface, improving the efficiency of covert surveillance operations.

The Nugget in action

The Nugget consists of one or more nodes which are configured as sensor nodes. One is configured as a destination node. This can be connected to a monitoring station running 'Mission Commander'.

Internal Sensors:

- tamper sensor
- seismic sensor
- trip wire sensor
- GPS receiver



Making Nuggets work

External sensors are added to increase detection capabilities and be used alongside existing internal sensors. These sensors classify and confirm targets that are within the sensor's vicinity. When an intruder sets off the Sensor Node this connects with a Network Node which will relay an alarm signal to the Destination Node connected to a handheld device/PDA, or Mission Commander, notifying the team of any potential threat.



Nugget Phase 3

Adding sensors



Long Range PIR



Geophone



Magnetic Sensor

The Nugget has two connectors on the front panel which can be used to attach external sensors.

If more than two external sensors are required, the NP3-HUB is available as an accessory for the Nugget and allows an additional five external sensors to be attached.

Flexibility

Ideal for covert surveillance, the Nugget Phase 3 Unattended Ground Sensor provides an indication of activity within range of its deployed sensors. Each node can be configured for operational requirements before they are deployed and individual Nuggets can be configured over the wireless network to meet any changes in detection, for example varying the sensitivity of sensors.

Communication

Nuggets can be configured to send confidence messages periodically back to the receiving team so that when the environment is static with no activity the team can be confident that the communications with the Nugget are operational.

Durability

- Multi-hop mesh capability
- Re-configurable transceiver frequency within the band
- Ruggedized housing compliant to IP67
- Up to 90 days operation from two Lithium 'D' cells in Sensor Mode.

Typical working view

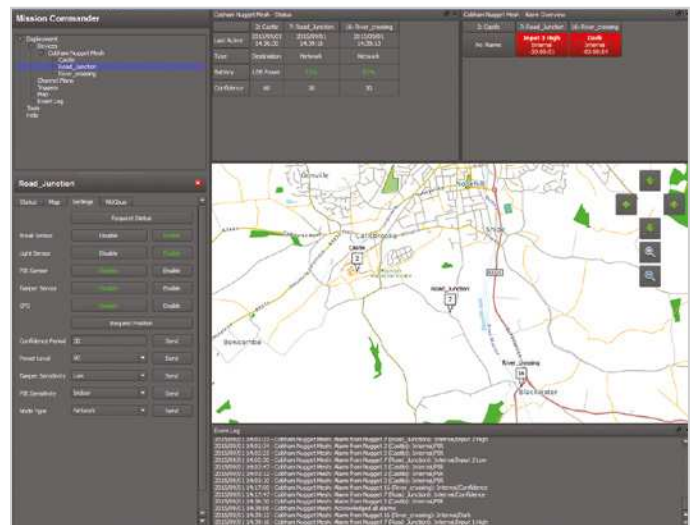
With the Nugget and sensors deployed, all information will be sent back to a laptop with Mission Commander software. With this easy-to-use interface you can enable or disable extra sensors, get a clear overview of the terrain covered as well as see regular status updates and event logs.

Switching other devices

The Nugget can switch on a variety of other devices when using the external Switch Box. It has 4 bi-directional configurable I/O connections and can be easily connected to up to four devices.

These include:

- High powered camera equipment to conserve battery life and maximise deployment lifetime by only powering these assets when an alarm is received
- Commercial sensors
- Door sensors

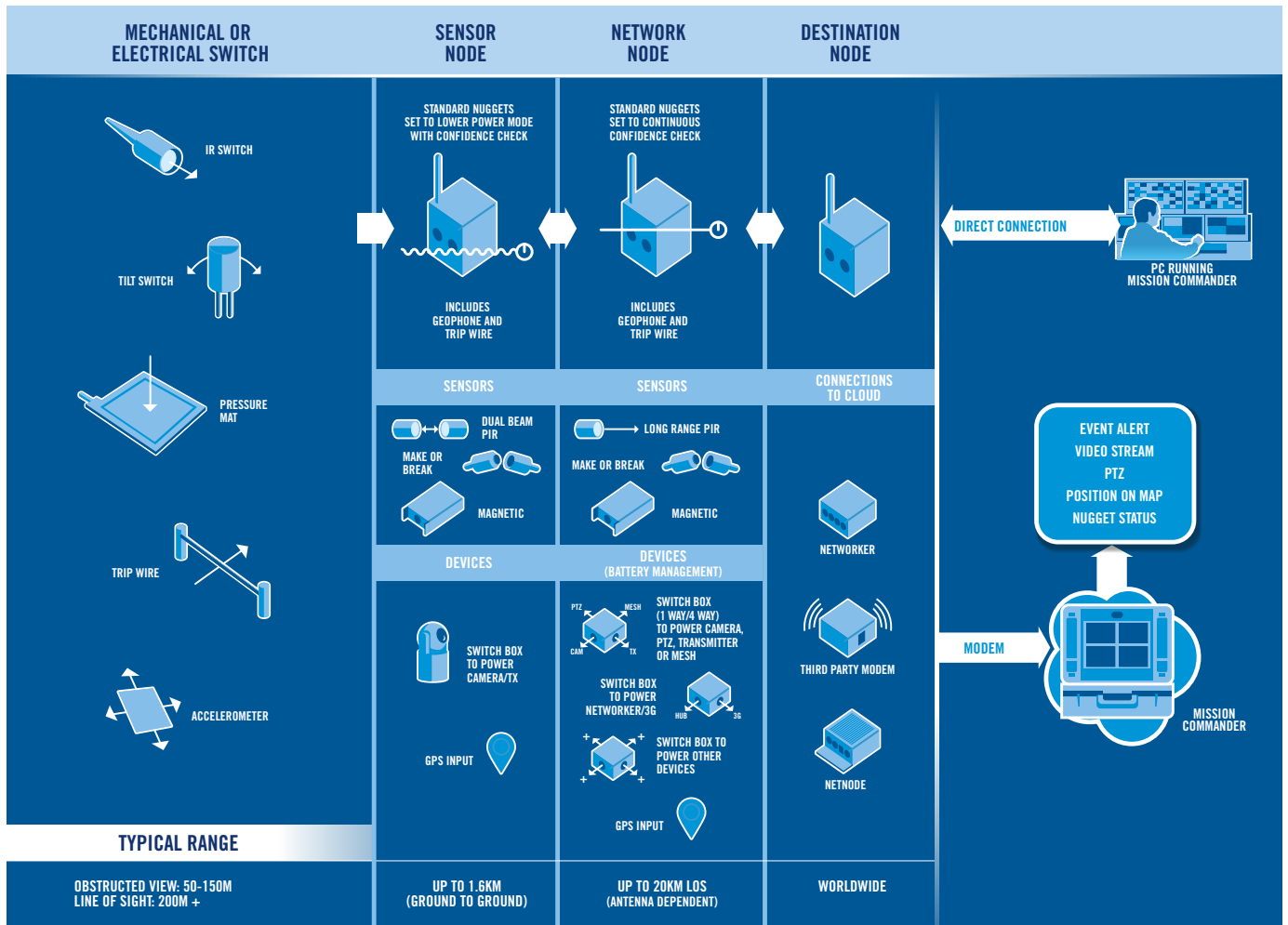


Mission Commander Command and Control software



Nugget status and alarms displayed on Mission Commander

From SWAT to security, DTC's Phase 3 Unattended Ground Sensor is a pivotal tool in covert surveillance situations. Easy to integrate with external sensors and compatible with Mission Commander software, the Nugget is ideal as a preventative measure and the first line of defence.



For further information on Nugget or any other of our range of surveillance solutions contact your Sales Account Manager or one of our Regional Sales Offices, or email solent.enquiries@domotactical.com

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