

# DTC

## Nugget MkIII VHF Sensor Network Node

The new sensor for covert surveillance

**Covert. Tactical.  
Reliable**

The Nugget MkIII VHF Sensor Network Node 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 surveillance sensor system that can be used to identify potential perimeter incursions and enhance tactical awareness.

# Next generation ground sensors

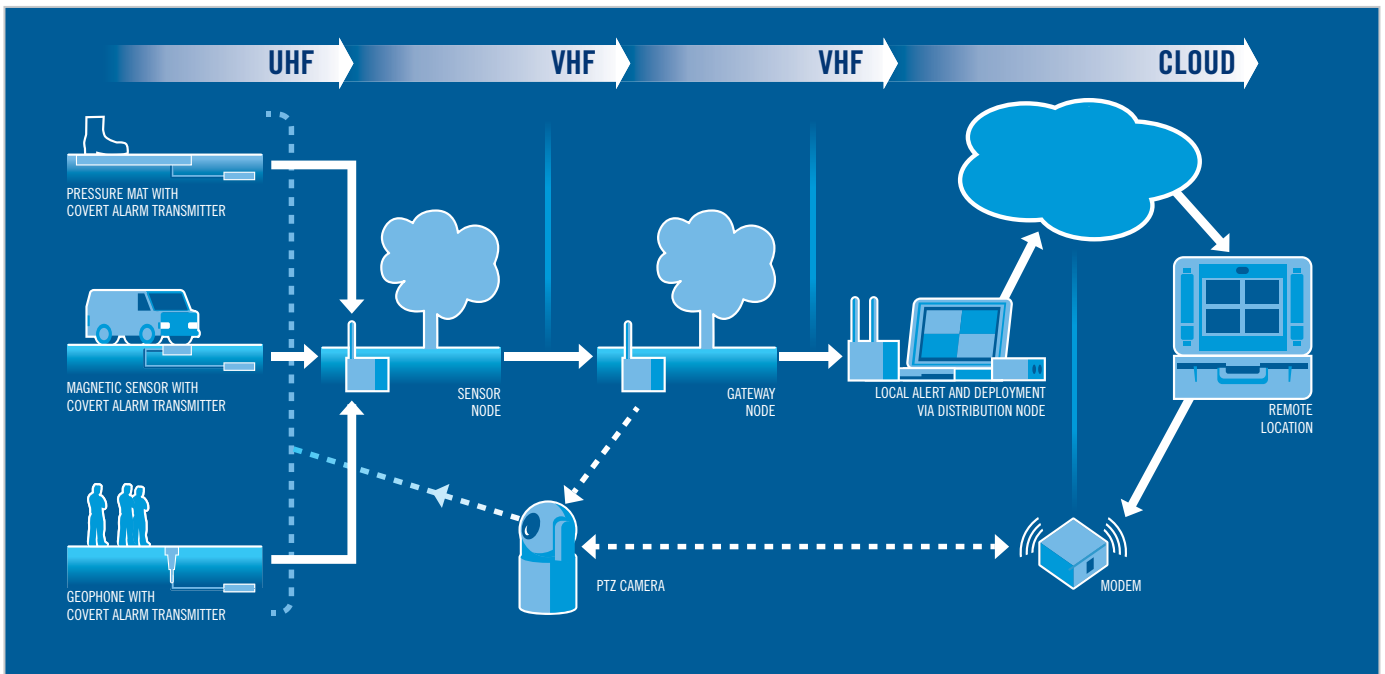
## Nugget MkIII VHF Sensor Network Node

The new sensor for covert surveillance.

**The Nugget MKIII VHF Sensor Network Node 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 a Mission Commander, 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'.



### Making Nuggets work

External sensors are added to increase detection capabilities and be used alongside existing internal capability. 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 Gateway Node which will relay an alarm signal to a destination node connected to a handheld device/PDA, or Mission commander, notifying the team of any potential threat.

### Adding sensors

With the NUGRSIP interface box, the following existing sensors can be connected:



M8040 PIR



M8007 Trip Wire Sensor



M8008 Geophone



M7232 Magnetic Sensor

## Flexibility

Ideal for covert surveillance, the VHF Sensor Network Node provides indication of activity within any range of its deployed sensors. Each node can be configured for operational requirements before they are deployed and individual units can be configured over the wireless network to meet any changes in detection, for example the varying sensitivity of sensors.

## Communication

Constant updates can be sent to the receiving team, notifying them of a static environment as each sensor node periodically sends 'confidence' signals to the central receiving node. The VHF Sensor Network Node contains a wireless sensor that is capable of receiving alarms from external wireless sensor transmitters. There are two channels available, each of which can receive alarms from up to 32 separate transmitters.

## Durability

- Multi-hop mesh capability
- Re-configurable transceiver frequency within the band
- Internal tamper, seismic, break trip sensor and wireless sensor receiver
- External sensor interface capable of adding up to 16 additional sensors
- Compact weatherproof housing compliant to IP67
- Up to 16 nodes in a network on a single frequency
- Up to 90 days operation from two Lithium 'D' cells
- Dual battery charger.

## Typical working view

With the Nugget and sensors deployed, all information will be sent back to a laptop or PDA 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.

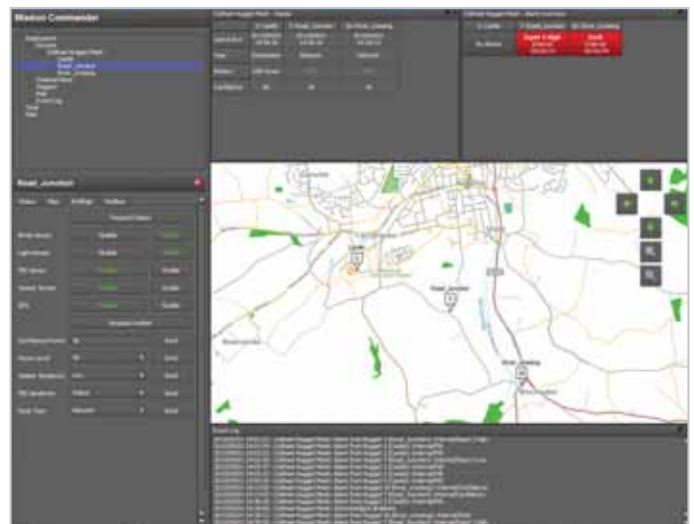
## Switching other devices

The Nugget MkIII can switch on a variety of other devices. It has 4 bi-directional configurable I/O connections and can be easily connected up to four devices. These include:

- Commercial sensors
- Door sensors



Covert Alarm Transmitter

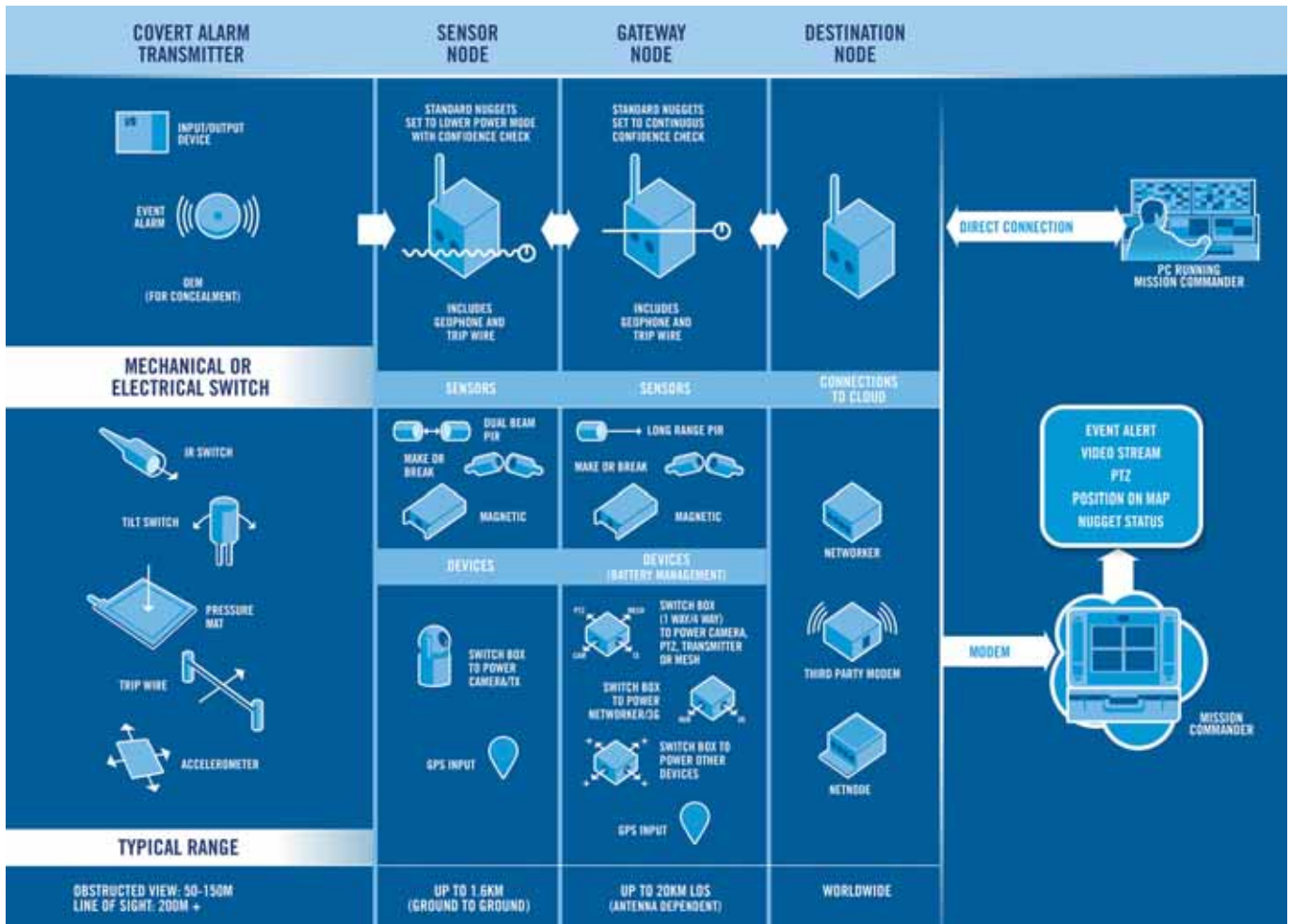


Mission Commander network management software



NuGS status and alarms displayed on Mission Commander

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



## DTC COFDM – Video, Audio, Telemetry and IP Products

With Domo technology at its core, the Nugget MkIII is part of a family of products which boast better performance, secure transmission and award-winning overt and covert surveillance systems. DTC Specialise in building solutions fit for a variety of environments, which is backed by an award winning and innovative engineering team.

**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.info@domotactical.com](mailto:solent.info@domotactical.com)**

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