



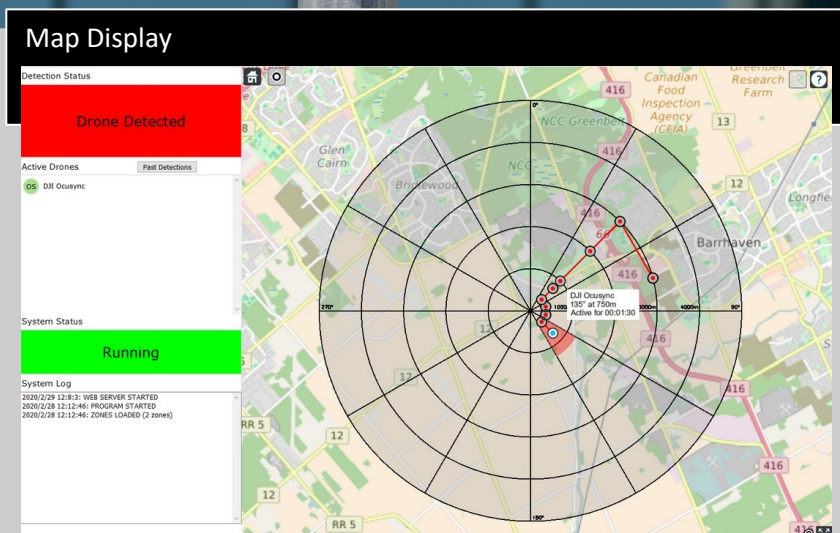
The Site DF Drone Sentry is a permanently installed drone detection system consisting of a one or more multi-frequency Direction Finding (DF) antennas and electronics units. The system can be mounted in a variety of configurations, typically on a metal post. These sensors are connected with a standard Ethernet network to a central computer running the Drone Monitor Server software which process the data and provides alerts and connections to other command and control (C2) systems.

The Drone Sentry's effortless operation means minimum user training is required. When in use it autonomously listens for the characteristic Radio Frequency signatures of drones. The system uses advanced digital signal processing to separate those signals from other RF emissions, virtually eliminating false positives.

When threats are detected, the system provides warnings to users including audio, email and visual on the central computer screen as well as through a web interface. A map display provides details on the drone type, bearing and distance for detected threats and can also be used to provide historical data. A number of interfaces are provided for integration with existing C2 systems.

Key Features

- Ease of use (almost no training required)
- 10 minute setup time
- 8 km nominal detection radius
- Passive (no RF emissions/no licensing required)
- Radar-like live Drone location web display .
- Identification of Drone type/class
- Non-ITAR



Features

Coverage	2.4 and 5.8 GHz Detects over 92% of available drones including DJI Lightbridge and OcuSync.
Antenna	Low profile post mounted DF Antenna. 10m Cable length
Detection Range	8 km nominal line-of-sight (terrain dependent)
Operation	Autonomous. No Internet connection required.
Power	120/240VAC 50/60Hz
Integration	Standalone operation. Integration with other systems available upon request.

Physical

Unit Weight	Antenna – 6.6 lbs Sensor 6 lbs
Unit Dimensions	Antenna – 10.5" L x 10.5" W x 14.5" H Sensor – 13" L x 9" W x 4.4" H

Environmental

Operational Temperature	-40 °C to 60 °C
Storage Temperature	-40 °C to 60 °C
Humidity	0 to 90 percent relative humidity, non-condensing
Standards	Environmental IP67
Cooling	Convection cooling. No moving parts.

Interfaces

Antenna	Type N, BNC, TNC and Amphenol connectors
Communications	RJ45 Ethernet (for laptop interface and software upgrade)
Threat Reporting	3.5mm audio jack. Alerting LED. Audible and visual alerts with Radar-like map display
Integration	TCP/IP XML Interface and embeddable HTML Interface

Software

Field Upgradeable	Software updates available to support evolving threat
Map	Regional Map based on OpenStreetMap Data. Can integrate compatible map servers.