

Version 2

DRONE DETECTION PORTABLE DF DRONE SENTRY

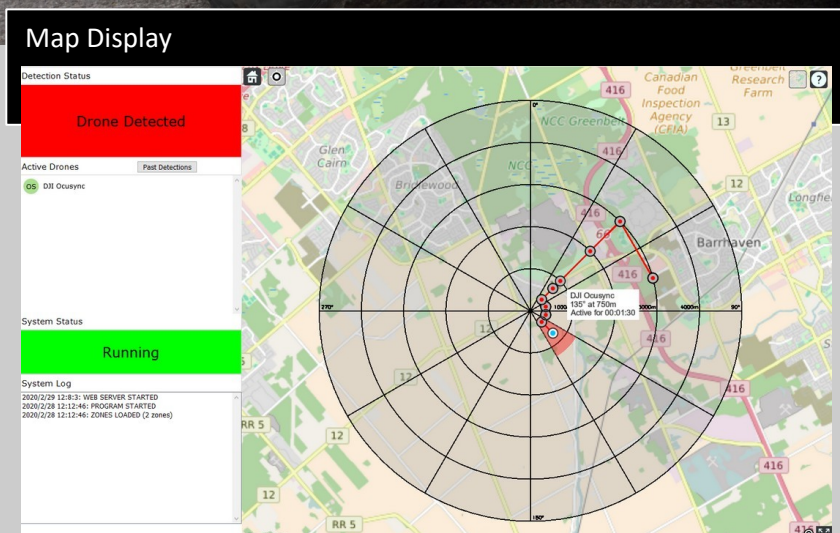


The Portable Drone Sentry is a rapidly deployable drone detection system consisting of a multi-frequency Direction Finding (DF) antenna and an electronics unit. The system can be mounted in a variety of configurations including quick deployment, semi-fixed site or integrated in a vehicle.

It may be powered from an 18V battery, via a power inverter or from civilian or military vehicles ensuring optimal flexibility. The system requires minimal integration in all instances.

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 Portable Drone Sentry provides a warning to users via its integral audible and visual alert system or an optional laptop with software. The laptop software provides details on the drone type, bearing and distance for detected threats and can also be used to provide historical data.



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

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1476 Stittsville Main St, Ottawa, Canada
www.versiontwo.ca sales@versiontwo.ca

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Features

Coverage	2.4 and 5.8 GHz Detects over 92% of available drones including DJI Lightbridge and OcuSync.
Antenna	Low profile magnetically mounted. 10m Cable length
Detection Range	8 km nominal line-of-sight (terrain dependent)
Operation	Autonomous (no computer or network required) or via laptop with map display
Power	9-36 VDC, 12W. M18 battery power, vehicle 12V/24V power system, or 120/240VAC
Integration	Standalone operation. Integration with other systems available upon request.

Physical

Unit Weight	Antenna – 6.6 lbs Sensor in Pelican Case – 22 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
Control	Power switch ON/OFF

Software

Field Upgradeable	Software updates available to support evolving threat
Map	Regional Map based on OpenStreetMap Data

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Due to continual product development, descriptions and specifications are subject to change without prior notification and such details must not be used for contractual purposes.

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