

Technical Data Sheet

DroneWatcher RFMKIIp

Drone Detector



DroneWatcherRF MKIIp is able to detect over 95% of the commercially-available, consumer

and prosumer drones on the market out to 1-2 miles providing detailed information including drone type, ID and other data. The DroneWatcher RF is a compact, portable electric box that can be installed in multiple configurations with only nominal power and network requirements (self-contained solar and cellular versions are available). New drone signatures are continually being added to DeTect's DroneWatcherRF identification database. DroneWatcher RF also includes DeTect's proprietary drone interdiction and inception functionality.

Details

- Rugged, waterproof enclosure with integrated wheels and handle for ease of transport
- Plug-and-Play ready requiring only limited remote configuration support (included in web service subscription)
- Self-contained unit with integrated waterproof power and ethernet inputs
- Air transportable, meets most airline carry-on size requirements
- Unobtrusive, urban camouflage exterior option (no brand labeling)
- Suitable for ground, rooftop or structure mount operation
- Available with optional cyber interdiction module (subject to country-of-use regulatory & US ITARs restrictions)



Specifications *(subject to change without notice)*

Detection range: 1 to 2 miles / 1.6 to 3.2 kilometers

OS: Raspian - Jessie / Windows

Interfaces: Gigabit Ethernet / optional cellular

Display: Visual local display to third party monitor with optional secure web display.

Technical

64 bit Quad core processor, 64-bit architecture best-in class for power efficiency.

Minimal power consumption for 24-hour operation.

2.4 / 5.0 GHz Frequency Scanning

External antennas

Power: 110/220 VAC standard outlet w/ international plug options (Optional USB power for up to 12 hours)

Wifi plus encrypted drone detection



POWER & NETWORK INPUTS



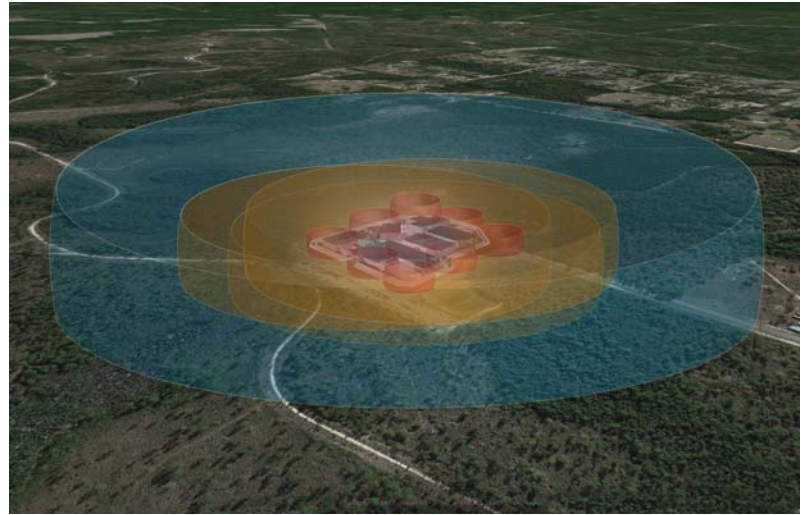
Offices in: Florida • Washington D.C. • Montreal • London

www.detect-inc.com

TECHNICAL DATA SHEET

DeTect's radio frequency signal and radar detection and processing technologies developed specifically for detection and tracking of small, low cross section, nonlinearly moving targets in complex, high clutter environments make it one of the most sensitive, affordable airspace surveillance technologies on the market today for locating and monitoring a wide range of targets including aircraft, UAVs, drones and ultralights.

- Airspace monitoring & surveillance
- Aircraft detection & tracking
- Drone and small UAV intrusion alerting
- Ultralight (ULAD) detection
- Ground based sense-and-avoid
- Collision and obstruction avoidance
- Gap coverage & filler

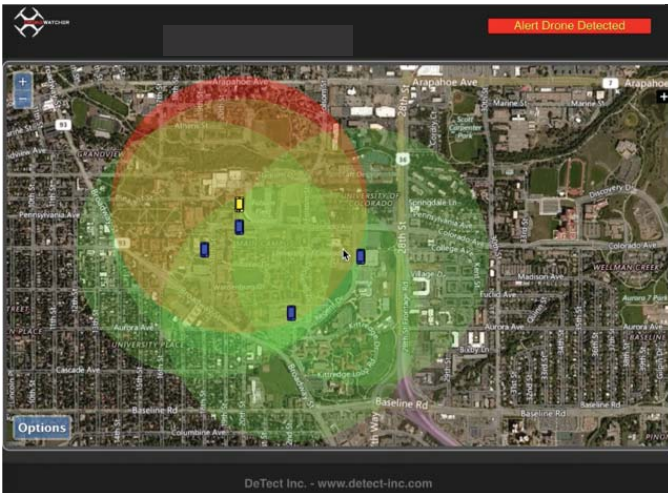


DroneWatcher APP (RED) & RF (ORANGE) combined with the DroneWatcher Drone Surveillance Radar (BLUE) provides effective multi-layer facility for drones and small UAVs.

Applications

Applications include a wide range of sites, types, sizes and configurations from single facilities to large-area or linear radar networks for force protection and facility security, including:

- Commercial airports, civil aviation airports & military airfields & ranges
- Unmanned aerial vehicle (UAV) operations support
- Government buildings and installations
- Prisons & institutions
- Telecommunications facilities & complexes
- Industrial plants, refineries & power plants
- Ports, waterways & coastlines
- Border control areas
- High security facilities
- Stadiums, racetracks & other public venues



The DroneWatcher Web fuses data from all sensors into a consolidated, real-time coverage and alerting display system

Features Include

- Microsoft Windows-based operating software
- Automated target classification & false positives rejection
- DeTect's global drone activity web database service
- Integrated radar, thermal, video, acoustic & interdiction systems
- Display activated "point-and-click" video zoom & deterrent activation
- Compatible with other security & display systems
- Site-specific underlay maps includes mobile mapping technology
- Identifies & tracks each target by size, position, speed & heading
- Audible & visual intrusion alarms with optional notification by email & radio pager

