EXECUTIVE PROTECTION WITH REMOTE DRONE ID (RDID)

SPOTTER
GLOBAL

EXECUTIVE SUMMARY

High-profile executives face unique and growing concerns regarding drone surveillance of their residences, families, and corporate offices. The increasing accessibility and sophistication of drone technology means that personal and professional privacy is under constant threat from unwanted aerial observation. Executives worry about corporate espionage, intellectual property theft, and the safety of their loved ones, as drones can easily capture sensitive information or identify patterns of life that could be exploited. This pervasive threat necessitates robust security measures to safeguard both their private lives and critical business operations from intrusive drone activity.

IDENTIFYING AND LOCATING DRONE PILOTS

For the security detail responsible for protecting top executives, the ability to quickly and accurately identify and locate drone pilots is paramount to ensuring personal and professional security. The Remote Drone ID (RDID) provides a critical advantage by not only detecting the unique ID signatures of drones but also capturing information that leads directly to the drone operator's location, with Zero False Alarms. This immediate identification and live tracking capability allows security teams to swiftly determine whether a drone is a harmless or a potential threat, by deploying a security team to intercept the drone pilot with real time actionable data.

RDID Integration with Security Infrastructure

RDID seamlessly integrates with existing security infrastructure through the NetworkedIO (NIO) C2 software. By connecting with existing cameras and Video Management Systems (VMS) such as Honeywell's Prowatch, RDID immediately enhances situational awareness

while seamlessly integrating with the existing security operations. When a drone is detected, an alarm is generated in the VMS and the drones location and pilot location are shown on a map that is output as a video stream and viewed in a VMS window, providing security personnel with a
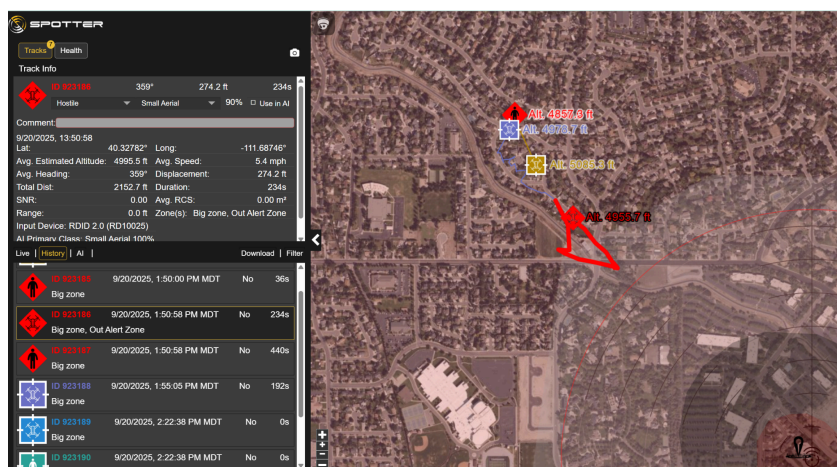
comprehensive and instant view of the threat and its source. This allows for rapid assessment and more effective response that fits with their standard SOPs.

PROBLEM

Drones are only going to become more common. From small, 2 lb recreational drones, to wide 33 lb commercial and public service drones, to large military drones weighing over 1000 pounds, drones will continue to fill our skies.

The trouble is, even with small drones, it's not always possible to immediately tell the difference between a friendly, law-abiding drone and a nefarious drone. When mystery drones appear, the following questions should be answered quickly:

- Is it just your harmless UAV hobbyist neighbor flying a drone above your backyard or is it someone attempting to spy on you?
- Is this the same drone that was here a couple of weeks ago?

For safety, drones need to be identified—quickly.

The vast majority of drones flying into uncertain or prohibited air space do so without any malicious intent. Their operators, just looking to have fun or get some simple work done, fall into the "careless and clueless" category rather than the "criminal". A brief conversation with the operator, either with one of their neighbors or with a law enforcement officer, will inform them of the legal restrictions they are violating and resolve the issue quickly.

SOLUTION

HOW DOES THE REMOTE DRONE ID™ (RDID) IDENTIFY DRONES?

The FAA requires that every drone that weighs more than 250g (~0.5 lbs) in the US broadcast a unique id, its geolocation and its pilot's location either as a WiFi or Bluetooth protocol while in flight. Each remote ID is unique to the drone and serves the same purpose as a license plate on a registered motor vehicle.

The Remote Drone ID (RDID) detects this broadcast and uses it to identify drones and track the location of the drone and its operator in real time. This georeferenced location data is sent to Spotter's C2 software where it is visualized and can be acted upon to send alerts through a VMS or cue cameras on the drone or operator automatically.

This makes Spotter Global's RDID sensor an efficient, mobile solution for automatically identifying and tracking mystery drones. With a range that extends more than 3000m in all directions and an overall coverage zone of more than 436 acres, the RDID constantly monitors the surrounding airspace for the relevant broadcast signals, reporting on drone activity in the area with no false alarms with regards to FAA-compliant drone activity.

FIRST TO DETECT. FIRST TO PROTECT.

@Copyright Spotter Global Sept. 2025

Any drone that shows up on the RDID interface is automatically identified via its unique identification number, tracked, and the pilot location is displayed on a geo-reference map. With the best GPS system, the pilot's location will be displayed with pinpoint accuracy, accurate to within just a few feet. With the basic RDID interface, the pilot location is displayed on a geo-reference map accurate to within 50m. It is most likely a careless and clueless operator who can be located, reasoned with, and either land their drone or divert it to non-restricted airspace.

USE-CASES FOR THE REMOTE DRONE ID

Private Residence:

A drone is detected approaching a private residence. As soon as the drone is detected within the alarm zone, a warning system prompts all family members and visitors to head inside and alerts security. Security personnel are able to use the drone pilot's location to deploy guards or the police to intercept the drone pilot.

Office Security

Corporate campuses are becoming more of a target for individuals seeking to steal intellectual property. To counter this, many organizations have implemented rapid response protocols for drone detection. Employees are regularly trained on Standard Operating Procedures (SOPs) for drone detection and response, with drills conducted to ensure swift action and protection of sensitive information.

The RDID may be deployed as part of a rapid reaction kit that only requires power and connects to the Internet via a satellite dish.

CONCLUSION

Drone technology poses a growing security threat to executive protection. The Remote Drone ID (RDID) system offers an advanced solution, leveraging FAA-mandated drone ID signatures to identify and locate drones and their operators in real-time. Integrating with existing VMS like Honeywell's Prowatch, RDID **provides the pilot's location**, enabling rapid responses to drone incursions. RDID is a comprehensive security enhancement that empowers executive protection teams to proactively manage drone-related risks, ensuring the safety and privacy of high-profile individuals. **To talk with an engineer to see about how to deploy an RDID or view a demonstration schedule a video meeting at** spotterglobal.com/schedule-a-meeting.