



Quality
Experience
Innovation



DroneTracker

A new technology that detects a new threat for sensible sites and borders. Drones are today more and more powerful in their capacity to fly but also to carry CCTV's or dangerous items.

OREP proposes a system that is complementary with other perimeter intrusion detection systems. Indeed, a DroneTracker have been developed in order to reply to this new threat. It utilizes an array of sensors to identify air space intrusion in real time.

- Drone detection system
- New solution for new threats
- Detection before intrusion on site (100m)
- Multi-sensors detection – Reliability & Low rate of false alarm
- Recording and Saving video alerts



OREP

Description

DroneTracker is equipped with a unique system of interacting sensors. Based on multiple parameters such as noise, shape, and movement patterns, it is unlike any other drone warning system able to reliably detect all types of drones. The built-in camera saves images and videos in HD quality, providing crucial evidence of the threat intrusion. When a threat is detected, the user can be notified via SMS, email, network message, SNMP or pushover.net. For large perimeter protection, multiple DRONE TRACKERS can be combined in series.

DroneTracker

A new technology that detects new threats.

Technical Characteristics

- ✓ Device Type: multi-sensor system
- ✓ Audio: 2x Audio / Audible Sonic & Ultrasonic / Spectrum 0 – 96 kHz
- ✓ Video: 1080p HD Camera / 60°-120° (selectable ex-works)
- ✓ Infrared: Near Infrared HD Camera
- ✓ Connectivity: via LAN in existing IT infrastructure
- ✓ Power Supply: active PoE+ (802.3at) or passive PoE 24 V
- ✓ L*W*H: 17.3 x 17.3 x 6.46" (440 x 440 x 164 mm)
- ✓ Range: up to 328 ft (100 m)
- ✓ Temperature: -4 °F to +120 °F (-20 °C to +50 °C)
- ✓ Software Configuration: via web interface
- ✓ Software Updates: firmware and DroneDNA updates via cloud-based database connection
- ✓ Alarm Notification: via software, SMS, email, network message (TCP/IP), SNMP, Pushover.net

Software Specification

The intelligent DroneTracker software categorizes every detected drone on the basis of its individual characteristics such as size, shape, movement, and sound. DroneDNA stores this signature – known as the Drone DNA – in a cloud-based database that is constantly and actively enlarged. All **DroneTrackers** worldwide receive regular DNA updates, so all users benefit from a protection network that is constantly growing.



Real-Time Tracking

- ✓ Video, Audio (including ultrasonic), Infrared
- ✓ Site map with view of the Tracker
- ✓ Live view of all sensor data
- ✓ Collection and Securing of All Alarm Data
- ✓ Time of event, duration, level, comments
- ✓ Video, audio, and infrared recording
- ✓ Automatic recognition of drones and creation of drone signatures
- ✓ Ongoing enlargement with new drone signatures
- ✓ Automatic exchange of new drone signatures via cloud-based service

Applications and references

Oil & Gas site – Military sites – Airports – Power Station – Nuclear Power site – Logistic sites – Water extraction site – Prison / Jails – Harbour – Borders – Industrial site – VIP properties