Defend against potential threats posed by drones with IntelliDome™

Integrated Drone Detection and Identification Platform

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Drones have been embraced worldwide for their recreational and commercial applications. They can come from anywhere - through the air, on the ground, and even in the water. The growing use of drone has increased potential threats to restricted facilities and critical infrastructures that are vulnerable to drone intrusions. The rapid adoption of drones had taken security practitioners by surprise and has brought about a new set of safety challenges.

With NCS' IntelliDome™ - our drone detection and identification platform, we can help security practitioners to detect, identify and track drone intrusion. IntelliDome™ allows users to configure multiple sensors, active and passive countermeasures, and automatic alerts for 24/7 operation.

In addition, the dashboard provides real-time information, detects and identifies drones using advanced analysis and recognition algorithms. IntelliDome™ can be customised to make use of different type of sensors such as:

- Video

- WiFi

- Acoustic

- RF

- Electro-optics Technology

If equipped with defensive measures, such as a jammer system, IntelliDome™ can deploy jamming countermeasures to mitigate identified threats.

Challenges

- Emerging security threat from drones.

- Need to heighten security within restricted facilities and critical infrastructures.

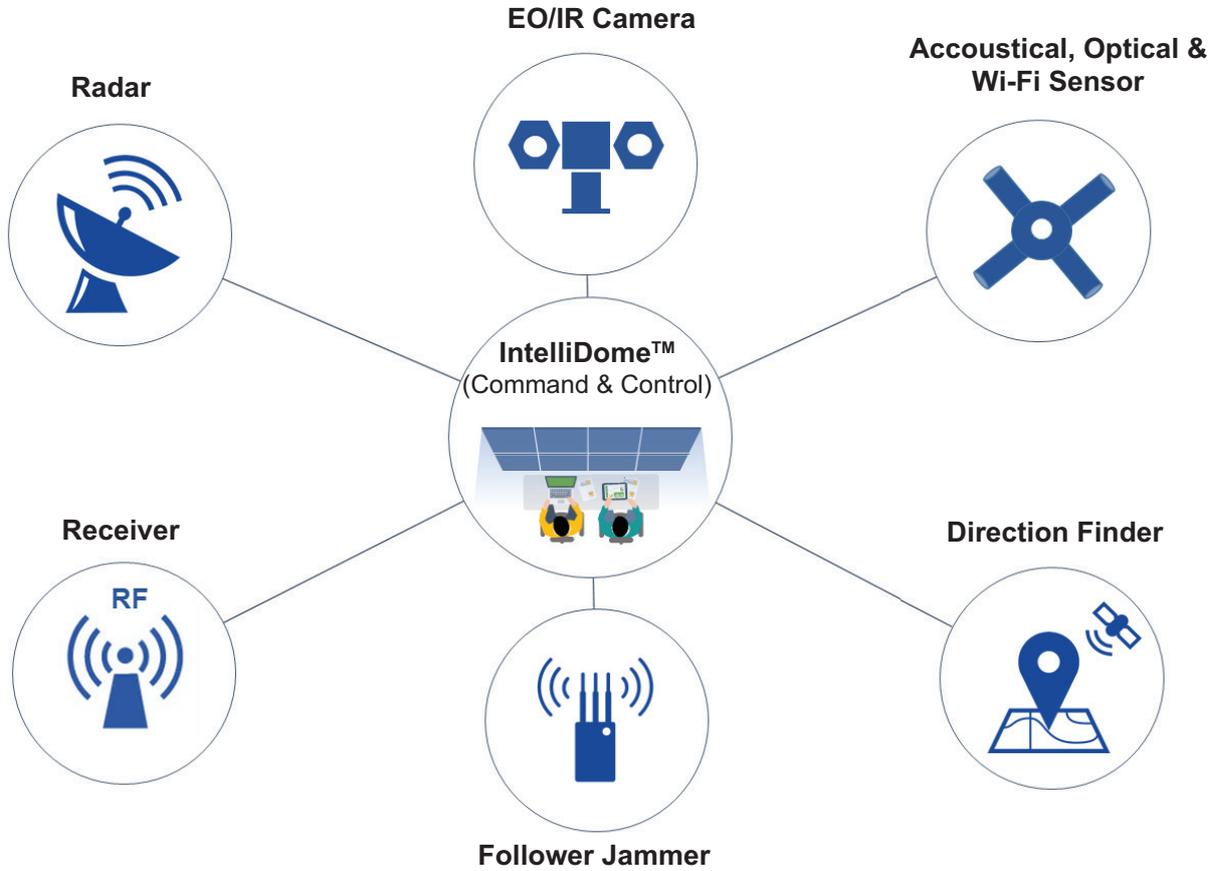- Deploy counter-measures quickly to mitigate threats and crimes.

Solution

- Comprehensive, web-based drone detection, identification and counter-measurement platform.

Benefits

- Proactive 24/7 surveillance to monitor sites around the clock and maximise manpower resources.

- Immediate intrusion alert notification once the system detects a drone.

- All detected drone flights are recorded on film in high definition (HD) quality. The recording can be reviewed or downloaded any time through the web-based dashboard.

How it works

Using a variety of components such as electro-optics, video cameras, WiFi, RF, acoustics and radar sensors, IntelliDome™ monitors and tracks the intrusion of drones and provide real-time alert notification. By combining several tracking units, large spaces and sites with complex layouts can also be monitored. The tracking unit is the only modular system on the market that can be customised to combat specific threat situation and special conditions on-site.

EO/IR Camera

Radar

Accoustical, Optical & Wi-Fi Sensor

IntelliDome™
(Command & Control)

Receiver

RF

Direction Finder

Follower Jammer

Contact us at reachus@ncs.com.sg for more details