Drone Threat Management & RF Situational Awareness

About Digital Global Systems

Digital Global Systems specializes in automated and intelligent spectrum management solutions. Digital Global Systems has over 30 patents focused on analyzing wireless environments and delivering knowledge to security professionals. Additional information can be found at www.digitalglobalsystems.com

Comprehensive Drone Threat Management

CLEARSKY™ for Airports
The ease of obtaining and utilizing drones is causing concern for the aviation industry. Drone sightings in restricted airspace are becoming more prevalent, with the potential for collisions increasing. Terrorist organizations are currently exploiting the medium to conduct surveillance activities and carry out actions of malicious intent, as evidenced by multiple airports being shut down across the globe.

**CLEARSKY™ advantage early warning**

Time is a crucial commodity to prepare countermeasures and send the appropriate notifications to passengers and personnel. CLEARSKY™ delivers detection, classification and location information for both the controller and drone in less than 2 seconds.

**CLEARSKY™ advantage long distance detect from 50 MHz to 6 GHz**

CLEARSKY™ provides industry leading long distance detection. Drones are detected by the system at distances > 2 km, from 50 MHz to 6 GHz. Comprehensive coverage of the communications spectrum identifies drones modified to operate outside of the frequencies typically associated with UAV (2.4 and 5.8 GHz).

**Detect and Defend in one platform**

- **CommShield**: Delivers a protective barrier, keeping drones from entering a facility.
- **CommPoint**: Targeted or Sectorized defend system which is highly accurate.
- Each system has minimal impact to surrounding communications systems

**DIFFERENTIATORS**

- **LONG DISTANCE DETECTION**
  - >2 KM WITH DIRECTION
- **SPEED OF CLASSIFICATION**
  - DRONE RECOGNITION <2 SEC.
- **WIDEBAND (50 MHZ TO 6 GHZ)**
  - DETECT DRONES AND OTHER MOBILE DEVICES OUTSIDE OF 2.4 AND 5.8 GHZ SPECTRUM
- **DEEP LEARNING ENGINE**
  - MINIMIZES FALSE POSITIVES IN CHAOTIC SIGNAL ENVIRONMENTS
- **PATENTED EDGE PROCESSING**
  - DETECTS MORE SIGNAL ACTIVITY

Typical drone detection platforms cover 2.4 and 5.8 GHz only.

Detection >2 kilometers

- Cameras
- Acoustic

Higher accuracy and more cost effective than RADAR
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**Detects and Classifies**

- DRONE ACTIVITY*
- CONTROLLER PRESENCE*
- WIRELESS CAMERAS
- TWO-WAY RADIOS
- MOBILE PHONES
- WIFI NETWORKS

* PROVIDES LOCATION
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