Remote and Automated Infrastructure Protection

About Digital Global Systems

Digital Global Systems focuses on automated and intelligent spectrum management solutions. Digital Global Systems has over 30 patents focused on analyzing wireless environments and delivering knowledge to security professionals globally. Additional information can be found at www.digitalglobalsystems.com
DGS understands the complexities in securing critical assets, such as power plants, windmill farms and gasoline substations. Infrastructure is spread across large geographic regions, with limited personnel on site. To satisfy demand, new sites are also being added.

Threats have also become more sophisticated. Drones are used for reconnaissance, with mobile devices utilized for coordination. Theft and vandalism are still occurring, but criminals are now breaking into sites to access networks containing sensitive information.

**CLEARSKY™ automated site monitoring**

- Detects mobile phones, Wi-Fi networks and radios in close proximity to site.
- Identifies, classifies and locates UAS.
- Displays detailed alarms on a single plane of glass at an operations center.
- Improves capability of other security systems (e.g., detect presence and activate an IP or thermal camera)

**DIFFERENTIATORS**

**RF AND DRONE DETECT CAPABILITY IN ONE SYSTEM**

- Analyze spectral activity from 40 MHz to 6 GHz.

**LEARNING SYSTEM**

- Understand what is typical by time and by location.
- Detect and characterize anomalies efficiently.
- Reduce time spent chasing false positives.

**ANALYTICS ON HISTORICAL DATA**

- Review patterns before and during an intrusion.
- Assist in predicting and preventing threats.

**DRONE THREAT MANAGEMENT MODULE**

- Multiple drone defend options integrated.
  - Commshield: creates protective area.
  - Commpoint: targeted defend.

**RF detect - LMR, Cellular, WiFi**

- Establish a baseline of the typical signal environment (by time and location).
- Identify and classify new wireless activity.
- Alert when anomalies are detected.
- Categorize signals by threat level.

**Identify Anomalies**

Learning engines enable CLEARSKY™ to infer what is typical and anomalous for a wireless environment.

**Classify Rapidly**

Demodulators, combined with user supplied, publicly available and historical data, transforms disparate information into actionable knowledge.

**Situational Awareness**

Complex data sets are consolidated onto a single pane of glass for ease of viewing. Messages are sent to security personnel (e-mail or SMS) or to 3rd party systems (JSON) to take action - "tip and cue"
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ANALYZE SPECTRAL ACTIVITY FROM 40MHZ TO 6 GHZ.

**LEARNING SYSTEM**
UNDERSTAND WHAT IS TYPICAL BY TIME AND BY LOCATION.
- DETECT AND CHARACTERIZE ANOMALIES EFFICIENTLY.
- REDUCE TIME SPENT CHASING FALSE POSITIVES.

**ANALYTICS ON HISTORICAL DATA**
REVIEW PATTERNS BEFORE AND DURING AN INTRUSION.
- ASSISTS IN PREDICTING AND PREVENTING THREATS.

**DRONE THREAT MANAGEMENT MODULE**
MULTIPLE DRONE DEFEND OPTIONS INTEGRATED.
- COMMSHIELD: CREATES PROTECTIVE AREA.
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SigBase 6000
RF detect and drone threat management in one platform
Remote and Automated Infrastructure Protection

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Critical Asset Protection

CLEARSKY™ for Utilities