Drone Threat Management
RF Situational Awareness

About Digital Global Systems

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

Critical Asset Protection
CLEARSKY™ for Stadiums

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CLEARSKY™ for Stadiums

Enhance Security and Operational Efficiency for Large Venues

Tens of thousands of people using mobile devices, dozens of critical radio networks, IoT solutions requiring connectivity, all contained within a space constructed from concrete, glass, and steel, creates a chaotic communications environment. Delivering sustained and quality communications for a stadium environment is a terrifying proposition for operators. The high concentration of people also makes large venues targets for security threats.

There are no second chances at a live event.

CLEARSKY™ improves a stadium operator’s ability to provide quality communication for guests, vendors, staff, and first responders while actively searching for and addressing RF-enabled threats like jammers and drones.

**CLEARSKY™ What is it?**

Wireless devices transmit and receive signals on specific radio frequencies. These devices have unique characteristics and expected behaviors.

CLEARSKY™ analyzes wireless environments and determines typical signals by type of event. Powerful analytics create detailed alarms when anomalies are detected. From quality issues to the presence of unauthorized drones, CLEARSKY™ will detect, classify, and provide actionable data automatically.

**CLEARSKY™ Benefits**

RF and Drone Detect Capability in One System

Detect Unauthorized Activity from 50 MHz to 6 GHz.

Autonomous Learning and Alerting System

Find Anomalies Efficiently, Reduce Time Spent Chasing False Positives.

Builds Baselines and Detects Anomalies 24 x 7

Enhances Physical Security Efforts, Translating Into Reduced Theft, Vandalism, and Disruption.

**Configuration**

- Distributed Spectrum Monitoring
  - Units analyze signal activity throughout the venue
- Centralized processing creates baselines and detects anomalies
- DTM antennas, mounted on the exterior, scan for UAS signatures
- Alarms are displayed on a simple UI at the network operations center
- Multiple Interdiction (Defend) options can be invoked manually or automatically to prevent UAV entry

**RF Detect** - LMR, Cellular, WiFi

- Learning engines automatically characterize dynamic environments
- Autonomous alerting when anomalies are detected
- Optimization opportunities highlighted
- Frequency coordination efforts simplified

**Drone Threat Management**

- UAV detection up to 2 KM
- Determines drone/controller type
- Provides location
- Multiple defend options
- Integrates easily with partner technology platforms

**Single Pane of Glass User Interface**

Makes the complex simple
**CLEARSKY™** for Stadiums and Campuses

**ENHANCE SECURITY AND OPERATIONAL EFFICIENCY FOR LARGE VENUES**

Tens of thousands of people using mobile devices, dozens of critical radio networks, IoT solutions requiring connectivity, all contained within a space constructed largely from concrete, glass and steel. Delivering sustained and quality communications for a stadium or campus environment, is a terrifying proposition for operators. The high concentration of people also makes large venues targets for terrorist attacks.

CLEARSKY™ improves a stadium operator’s ability to provide quality communication for guests, personnel and first responders, while actively searching for and addressing RF enabled threats.

**THERE ARE NO SECOND CHANCES AT A LIVE EVENT.**

**RF Detect - LMR, Cellular, WiFi**

- Learning engines automatically characterize dynamic environments.
- Autonomous alerting when anomalies are detected.
- Optimization opportunities highlighted.
- Frequency coordination efforts simplified.

**Clearsky™ benefits**

- **MODULAR - INTEGRATES WITH 3RD PARTY PLATFORMS**
- **AUTONOMOUS ANALYSIS - SIMPLE USER INTERFACE**
- **BUILDS BASELINES AND DETECTS ANOMALIES 24 X 7**
- **AUGMENTS PHYSICAL SECURITY EFFORTS TRANSLATING INTO REDUCED THEFT, VANDALISM AND DISRUPTION**

**Drone Threat Management**

- UAV detection up to 2 KM.
- Determines drone/controller type in less than 2 seconds.
- Provides direction of controller and drone.
- Defend options minimize disruption to other communication systems.
- Integrates easily with partner technology platforms.

**Configuration**

- Distributed Spectrum Monitoring Nodes analyze signal activity throughout the venue.
- Centralized processing creates baselines and detects anomalies.
- Drone Threat Management antennas scan for UAS signatures.
- Alarms are displayed on an easy-to-use interface.
- Multiple defend options can be invoked, manually or automatically, to prevent UAV entry.

**CLEARSKY™ what is it?**

Wireless devices transmit and receive signals on specific radio frequencies. They have unique characteristics and expected behaviors.

CLEARSKY™ analyzes wireless environments and determines what is typical and what is not. Powerful analytics, create detailed alarms when anomalies are detected. From quality issues, to the presence of unauthorized drones, CLEARSKY will detect, classify and provide knowledge automatically.

**Single Pane of Glass User Interface makes the complex simple**
Drone Threat Management and RF Situational Awareness

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