DEEPSIG

MAKE THE INVISIBLE UNDERSTANDABLE

OmniSIG® Analytics

CAPABILITIES

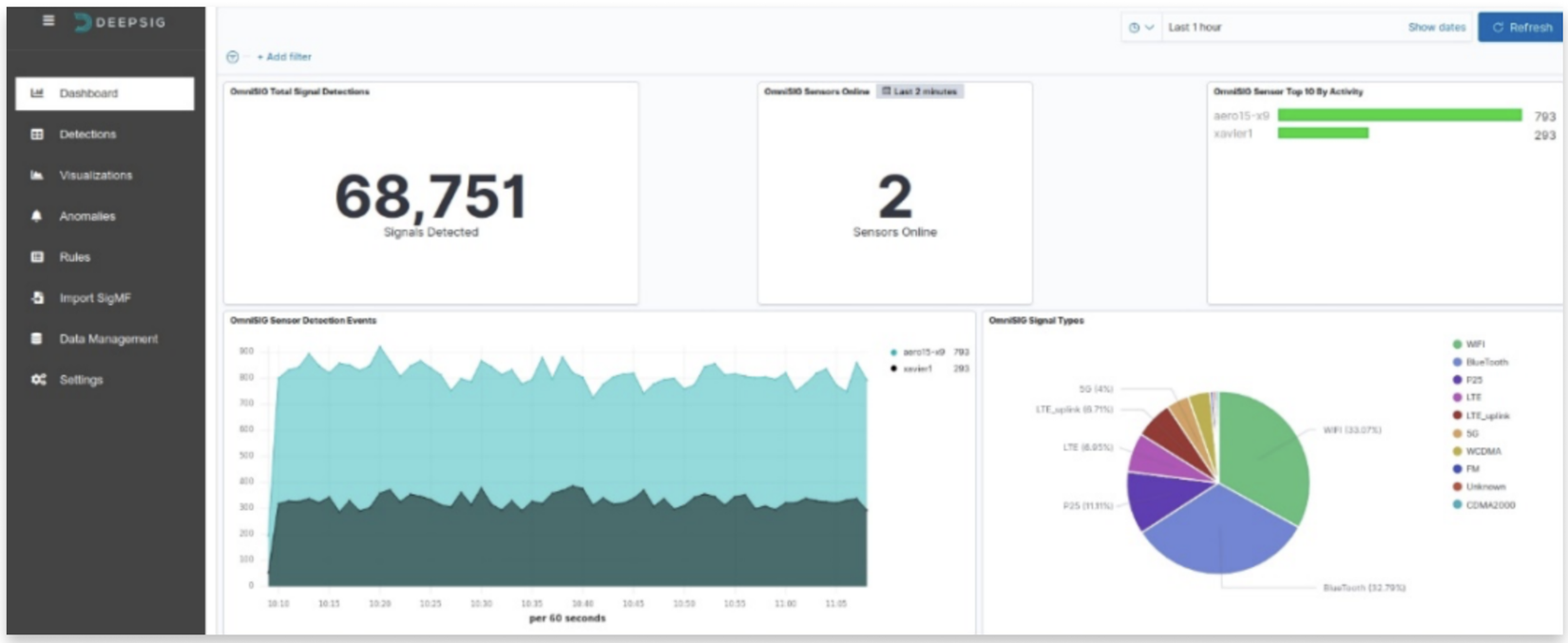
- ✓ Build a comprehensive portrait of your RF domain using an AI-powered dashboard
- ✓ Receive real time threat and anomaly alerts
- ✓ Track and categorize RF signatures, including UAVs, cellular devices, Bluetooth, & conventional radio systems
- ✓ Develop complex conclusions from collected data
- ✓ Customize rules
- ✓ No complex coding or machine learning experience required

ALERTS

- ✓ Create customized alerts to monitor for changes & intrusion in the environment
- ✓ Analytics functions independently & passively – no need for regular monitoring
- ✓ Build an in-depth understanding of anomalous behavior around you

RULES

- ✓ Create rulesets to monitor parameters of interest
- ✓ Support for all common signal types, as well as custom signal integration
- ✓ Detection can occur on a user defined time span – minutes or weeks



Building on OmniSIG's AI-driven approach to signal identification, the OmniSIG Analytics platform brings big-data analytics and data-driven AI to the terabytes of information produced from spectral monitoring. OmniSIG Analytics allows you to build a picture the spectrum, provides tools to visualize your data, and identifies unusual spectral behavior.

- Easily network multiple OmniSIG sources for area-wide RF awareness
- Scalability from a single laptop to enterprise deployments
- Import offline data from field sensors
- Short and long-term trend analytics
- Third party visualization integration
- Rule-based anomaly engine
- Open source KIBANA-based
- 3D spectral visualizations
- Comprehensive queries and data export
- Easy to read dashboards for visualizing monitored spectrum

SIMPLIFY RF ENVIRONMENTS

OmniSIG Analytics is specifically designed to help sift through large amounts of RF data so that you can focus on what's important. Providing long-term data storage, multi-sensor integration, advanced visualizations, and both rules and AI-based engines for machine-based analytics, OmniSIG Analytics' dashboard fills the gap between terabytes of data and actionable information-driven results.

ENTERPRISE SCALABILITY

The OmniSIG Suite has been designed to scale to any size. All products are software based and hardware agnostic, allowing you to easily integrate into developing & existing systems. Process, identify vulnerabilities, and disseminate data in real time. Signal classification & analysis powered by artificial intelligence is up to 100x faster than traditional signal classifiers and continually improves by learning.

FAST AND EASY DEPLOYMENT

The Analytics dashboards are meant to work in conjunction with OmniSIG. Simply configure OmniSIG to output detections to the Analytics endpoint and immediately begin understanding your environment. The Analytics engine can be deployed on any operating system by leveraging containerized technology.

IDENTIFY ANOMALOUS BEHAVIOR

OmniSIG Analytics tracks the behavior of data in a domain to build a profile and baseline. Statistical models can then rapidly detect unusual behavior and alert operators. This data can be further integrated into the OmniSIG Suite to enhance future learning by the AI.

DeepSig Inc. is a product-centric technology company that is trailblazing the field of Radio Frequency Machine Learning (RFML). Our unique software utilizes neural network architectures to enhance signal detection, classification, spectrum awareness, and digital force protection. We offer customizable solutions tailored to diverse applications, drawing from extensive industry experience and numerous patents. Our team of experts in Machine Learning, Digital Signal Processing, and software development has successfully harnessed deep learning for signals analysis, contributing to the evolution of next-generation wireless systems and processes.

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