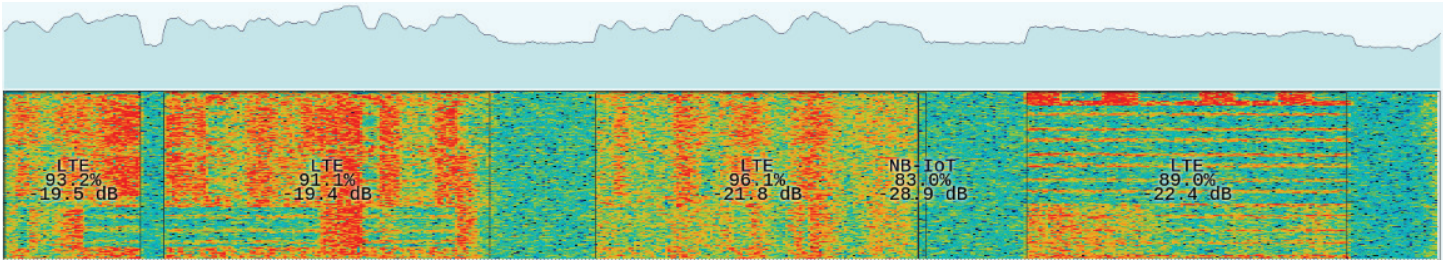




Turn-Key RF Intelligence

OmniSIG Studio RF Spectrum Waterfall Display



Deepwave

Deepwave provides an AI-enabled platform for turning RF data into RF intelligence. The platform is designed for real-time RF deep learning and signal processing applications, and leverages tightly integrated software-defined radio (SDR) technology with high-performance computing. Deepwave’s main product lines are AIR-T edge hardware and AirStack software.

DeepSig

DeepSig’s OmniSIG Studio is a Machine Learning Operations (MLOps) software platform. The product is specifically designed for editing, labeling, and curating radio frequency (RF) waveforms to train deep learning models for signal detection and classification. OmniSIG Studio provides a no-code interface that lets users quickly develop, train, and deploy neural network models for complex RF waveform recognition tasks.

AIR-T + OmniSIG

Deepwave’s AIR-T platform ships pre-configured to work with OmniSIG Studio. This turnkey, purpose-built RF AI system accelerates development, training, and deployment of advanced signal detection models.

Highlights include:

- ✓ Purpose-built RF AI system
- ✓ Rapid RF AI model development enabled by seamless MLOps workflow
- ✓ Gather raw data and develop synthetic training data to refine models within an integrated system
- ✓ Human-in-the-loop analysis
- ✓ RF native auto data labeling
- ✓ Easy-to-use web UI
- ✓ Plug-and-go solution deployment

Real-time Spectrum Awareness Use Cases



Autonomous 5G operation and optimization



Foundational enabler for sensing-native 6G



Secure operation for defense wireless systems



Next-generation dynamic spectrum sharing



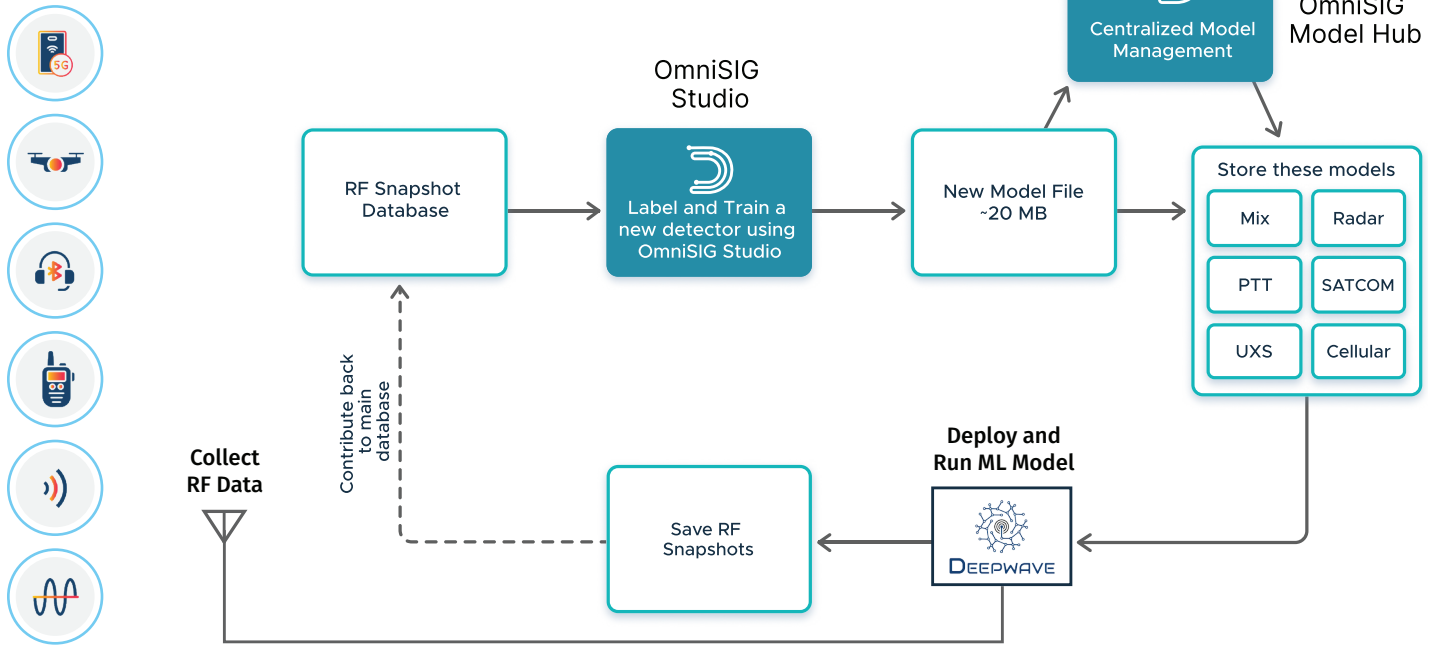
ORAN interfaces





Turn-Key RF Intelligence

ML Model Development Workflow



Deepwave and OmniSIG Solution Deployment



Deepwave's AIR7310-B and AirStack Core
Software preconfigured for OmniSIG Studio

- ✓ Deepwave hardware and software preconfigured for OmniSIG Studio
- ✓ Power on and configure Deepwave AIR-T
- ✓ Explore OmniSIG Studio model library
- ✓ Deploy OmniSIG Studio ML model to AIR-T
- ✓ Receive results

