

 Omnisent



Omnisent Scan

Detection, tracking, and classification of low-flying drones powered by Acoustic AI, designed for military & homeland security applications

PASSIVE
OPERATION

DESIGNED FOR COMPLEX
ENVIRONMENTS

SCALABLE
DEPLOYMENT

Omnisent Scan

Passive detection and localization of low-flying drones

Omnisent Scan is a fully passive acoustic sensing solution for detecting and localizing low-flying drones in complex environments. Powered by Acoustic AI, it delivers continuous situational awareness without RF emissions or interference with existing infrastructure, enabling reliable detection where radar, RF, or camera-based systems fall short, while remaining discreet, scalable, and resilient.

KEY CAPABILITIES

- **Comprehensive coverage:** Distributed sensing enables seamless area coverage
- **High precision:** Accelerated identification and first-shot accuracy reduce neutralization cost per target
- **Passive sensing:** Fully undetectable system, immune to jamming, spoofing, and RF interference
- **Drone & swarm neutralization:** Enables early warning and coordinated response against multiple targets
- **Rapid deployment:** Manual placement, drone drop, or vehicle-mounted, operational in less than one minute
- **Resilient network:** Overlapping nodes maintain coverage even if some are lost or destroyed

DESIGNED FOR DIVERSE ENVIRONMENTS

- **Broad applicability:** Suitable for critical infrastructure protection, public safety and large venues, industrial and commercial sites, as well as defense and security operations
- **Operational adaptability:** Designed to meet diverse operational requirements while maintaining a minimal footprint and low operational overhead

TECHNOLOGY OVERVIEW

At its core, Omnisent Scan uses advanced Acoustic AI models that analyze the physical structure of sound. All processing is performed locally on the sensor, transmitting only essential metadata to ensure low-latency, privacy-preserving operation.

OPERATIONAL BENEFITS

- **Enhanced awareness:** Enhances situational awareness without increasing system visibility
- **RF-independent operation:** Operates independently of RF or GPS-based detection
- **Seamless integration:** Integrates into existing security and monitoring workflows
- **Deployment flexibility:** Supports both permanent installations and temporary deployments
- **Cost-efficient:** Reduced cost per protected area enables mass deployment with minimal logistics burden

PERFORMANCE OVERVIEW

- **Reliable detection:** Consistent identification in complex environments
- **Accurate localization:** Enables effective situational awareness
- **Long endurance:** Designed for extended operation with zero maintenance or resupply
- **Rapid deployment:** Operational within minutes

COMPLIANCE & ASSURANCE

Omnisent's technology is developed and manufactured in Germany, ensuring transparency and reliability across the supply chain. Production meets applicable EU standards, including CE. The system features IP67 environmental sealing and a ruggedized design aligned with MIL-STD, with readiness for additional national or sector-specific certifications.

GET IN TOUCH: *Please reach out for more detailed information*