



by gradiant

Detect & avoid system



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Al-based technology for UAVs

Existing **detect & avoid solutions** have been conceived for large aircraft, and are therefore not adequate **for smaller unmanned vehicles** in terms of size, weight, power and cost.

No single detection technology can provide reliable detect & avoid collaborative and non-collaborative scenarios on its own. Human understandable visual awareness about the surroundings of aircraft is crucial for operators, even in fully autonomous missions.

SenseUAV by Gradiant adds an extra layer of safety to UAV operations by incorporating automatic obstacle and traffic detection.

- ✓ Detection and tracking of all traffic and obstacles around the aircraft in a 1km radius
- Compact footprint at under 500g including camera and processing module, for easy deployment on small, medium and large aircraft
- Automatic low bitrate visual reporting of obstacles and traffic, for real time operator assistance
- Open interfaces for integration with commercial flight control systems, and third party collaborative detection systems





Award winning
Al technology



Real-time automatic obstacle and traffic detection



Visual situation awareness



BVLOS missions for surveillance, infrastructure inspection and search & rescue