The rapidly expanding capabilities of drones presents a growing opportunity for multiple markets. Small, unmanned aircraft systems (sUAS) can be used for dozens of applications including real estate, cinematography, agriculture, emergency management, and infrastructure inspection. This proliferation presents unique challenges for safe sUAS integration to protect people and infrastructure from drone incursions.

SRC Inc’s Gryphon Skylight® system offers a solution to both challenges. We use multiple ground-based sensors to detect cooperative and non-cooperative targets in the airspace, providing intelligent situational awareness for integration and security.

**Detect, track and classify** moving objects in your airspace.
**GRYPHON SKYLIGHT® SYSTEM**

**APPLICATIONS**

**Drone Security**
- Stadiums
- Prisons
- Critical infrastructure
- Airports
- Theme parks
- Intellectual property

**Safe UAS Integration**
- Package delivery
- Power line inspection
- Railroad inspection
- Precision agriculture
- Entertainment
- Mapping/surveying

**Gryphon R1410 Radar**
- Large area, precision surveillance
- Drone security and detect and avoid applications
- 10 km (sUAS), 27 km (General aviation)
- Low false alarm rate
- Low size, weight and power (SWaP); man transportable

**Gryphon S1200 Spectrum Sensor**
- Fast target acquisition
- Strong positive confirmation for targets of interest
- Provides line of bearing
- Up to 5 km detection range
- Up to 360° coverage

**Slew-to-Cue Camera**
- Visual target identification
- Optical tracking
- Thermal and EO lenses
- 3 km detection range
- 360° Pan rotation
- 180° Tilt rotation

**FEATURES**

- Small footprint, lightweight and low power radar designed specifically for precision detection of low flying small UAS
- Broadband, passive spectrum RF monitoring used to confirm target types
- High resolution, slew-to-cue, optical tracking cameras used to get “eyes on” target
- Receives ADS-B Data
- Built-in target tracking and classification to quickly identify both cooperative and non-cooperative targets
- Ability to track hundreds of targets simultaneously for total situational awareness
- Flexible, reliable, 24/7 operation in all weather conditions and terrains
- Automatic data recording with playback for improving performance over time and providing data for legal action
- Flexible interface that integrates with 3rd party sensor inputs
- 10 km detection range for small UAS provides low cost per square mile and greater response time