The Gryphon S1200 Spectrum Sensor leverages next-generation technology for **unmatched small UAS detection** capability in a lightweight, portable package.

The Gryphon S1200 Spectrum Sensor is a 2-D Active Electronically Scanned Array (AESA) direction finder designed specifically for rapid, precise detection and tracking of small unmanned aircraft systems (sUAS). It was created by the world-class sensor team at SRC Inc., leveraging nearly 60 years of radar expertise.

The Gryphon S1200 Spectrum Sensor system monitors signals in frequency bands used by commercial drones. It has an ever-growing library of drone control signal profiles used to detect and classify these types of signals. The sensor reliably and automatically detects radio frequency emissions from any size commercial drone within a 5 km radius.

Upon detection, the system provides accurate lines of bearing for both the drone and drone operator.

The sensor is designed for maximum flexibility in operation including all-weather, permanent or mobile emplacement. The Gryphon S1200 Spectrum Sensor can be set up in minutes and comes with a user-friendly interface for quick configuration.

The Gryphon S1200 Spectrum Sensor is ideal for:
- Drone security
- sUAS classification
APPLICATIONS

- Intellectual property protection
- Airport security
- Sports venue surveillance
- Critical asset protection
- UTM
- Border surveillance
- Special event security
- Prisons

SPECIFICATIONS

- Weight: 25 lb (11 kg) per panel, 140 lb (62 kg) with four panels and tripod
- Input power: Standard wall outlet capable (US & EU)
- Interface: Ethernet
- Detection range: Small UAS up to 5 km
- Azimuth coverage: 90° per panel
- Elevation coverage: 15°
- Frequency band: 2.4 and 5.8 GHz
- Environment: IP67
- Electromagnetic: Designed to MIL-STD-461F and FCC*/CE/UL standards

FEATURES

- Low size, weight and power (SWaP); man transportable
- Set up and operate within minutes
- 24/7 operation in all weather conditions
- Situational awareness for UAS targets
- Built-in target tracking and classification
- Immediate alarm notifications
- Networkable
- Drone signature database (continually updated)
- Small footprint; easy to scale
- Triangulation allows for more precise detection
- Flexible mounting capabilities