

Overview

skyAlert is a rugged, wearable ADS-B detection and alerting system that enhances airspace awareness for UAS pilots operating in the field.

By detecting cooperative aircraft via ADS-B on both 978 and 1090 MHz frequencies, skyAlert provides real-time audible and visual alerts when crewed aircraft approach within a configurable proximity. This added layer of situational awareness helps operators maintain safe separation and focus on mission objectives.

Compact, lightweight, and built for demanding environments, skyAlert reduces setup time, eliminates the need for bulky ground equipment, and streamlines pre-flight operations. Its all-day rechargeable battery life and intuitive LED indicators make it the ideal companion for utility and first responder drone teams working in complex or remote airspace.



Features

- Receives 978 and 1090 MHz ADS-B transmissions, allowing detection of all cooperative air traffic
- Audible alerts to air traffic posing a risk to UAS operations
- User configurable alerts based on intruder aircraft range and altitude prevent operator distraction
- Wearable device facilitating user mobility
- Small, lightweight and rugged to withstand field operations
- Rechargeable, long-life battery to support a full day of UAS operations
- Multicolored LED lights indicate fully operational status, charging level, intruder alerts, and GPS quality
- LED brightness controlled by ambient light sensor and user configurable
- Includes silicon sleeve and storage case
- Convenient USB-C charging interface
- Comes with a RAM mount belt clip. Other COTS mounting options available

Technical Specifications

Name	Part Number
skyAlert	UAV-1008899-001
ADS-B Detection	
Frequencies	978 and 1090 MHz
Alerts	
Audible	Loud recurring beep
Visual	Multicolored LEDs
Trigger	User configurable Default [1000 ft AGL, 1 mile]
Parameter	Value
Input Voltage	5V
Size	64.6 x 40.18 x 92.6 mm
Weight	161 grams
Operating Temp	-45 to 70°C
Rechargeable Battery	
Operating time	Up to 12 hours
Charging time	Up to 12 hours from zero
Charger type	USB-C

Mechanical Specification

