

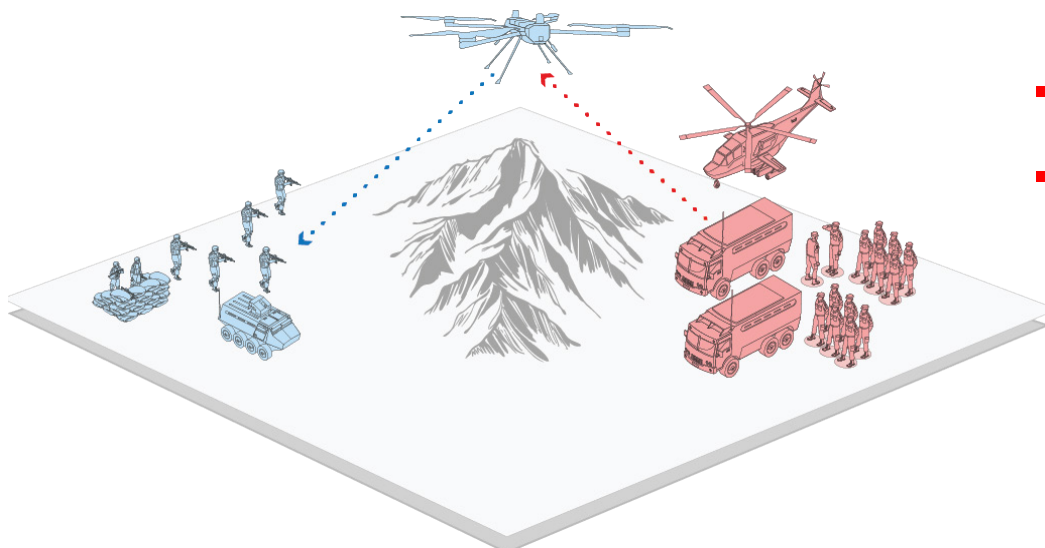


# C100 + Spectrum Awareness

Unmatched situational awareness in contested environments

## C100 + CACI Mastodon FireBeast

The Spectrum Awareness payload transforms the C100 into a powerful electronic warfare and counter-UAS asset. Spectrum Awareness uses the Mastodon FireBeast to provide teams with enhanced signal detections and direction-finding of adversary Signals of Interest. When deployed on the C100, it enhances threat interdiction, detects enemy and identifies networks, and expands tactical options — delivering powerful situational awareness and operational overmatch in contested, complex environments.



- Detects adversary systems from 120MHz – 6 GHz
- Supports simultaneous intercept and real-time DF
- Reaper ATAK plugin to display SOIs
- Includes Firebeast SW Suite to support DF and system configuration

# PDW<sup>®</sup> C100 + Spectrum Awareness

Version	Model	Weight (Payload) grams / lbs.	Operating Power (W)	Operating Voltage (V)	Environmental	Temperature (C)	Endurance with C100
Spectrum Awareness (air)	CACI Fire Beast	2495g / 5.5lbs system	10W	9-18V	Designed to IP67	-20 to 55	30 minutes

Features	Specifications
Folded / Unfolded	24" x 15" x 8" / 64" x 65" x 11"
Weight	21.4 lbs (9.7 kg)
Max Payload Mass	Up to 10 lbs (4.5kg) with Long Endurance Batteries
Long Endurance Battery	74 minutes with ISR Payload
Range	6.2+ miles (10+ km)
Cruise Speed	Cruise mode: 40.3 mph (64.8 km/h) Base mode: 22.4 mph (36 km/h) Safe mode: 4.9 mph (7.9 km/h)
Max Speed	40 mph (64.8 km/h)
Wind Limits	30 mph sustained, 40 mph gust - ISR configuration 25 mph sustained, 35 mph gust - up to 5lbs gross payload weight 20 mph sustained, 30 mph gust - up to 10lbs gross payload weight
Night Operations	Zero-light emission mode // IR LEDs + Strobe Lights
Acoustic Signature	61dB @ 5m away / non-audible at 600 meters

