



C100

Multi-Mission Platform

The C100 is a portable, packable sUAS with industry-leading flight time. It supports long-range ISR and cargo transport with its swappable payloads, open architectures, and hands-free autonomy features. The design of C100 centers around universal payload integration, allowing it to support EO/IR, thermal, custom payloads, munitions release devices, and other purpose-built solutions.

C100 is equipped with military-grade payloads, world-leading drivetrain, and Blue-UAS approved avionics to deliver the ultimate long-endurance organic ISR platform. Edge computing and a suite of autonomy features ease cognitive burden and provide hands-free functionality. Ruggedized IP54 design folds into the warfighter's rucksack for easy transport.

Mission Capabilities



ISR



Payload Delivery



Network Extension



Kinetic Effects



ATAK Integration



Portable

PDW® C100 MULTI-MISSION PLATFORM



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
Radio	Doodle Labs Helix 1625~2500 MHz (M1 - M6)
Autonomy	Frontal Collision Avoidance and GNSS Position Hold
Compute Core	Modal Ai's VOXL 1 Qualcomm 812 + optional Nvidia Xavier NX
Max Operational Altitude	12,000 ft MSL
Operational Temperature	-20°C - 57°C -4°F - 134.6°F
Weatherization	IP54
Supply Chain	NDAA Compliant / Blue UAS