

C100

Multi-Mission Platform



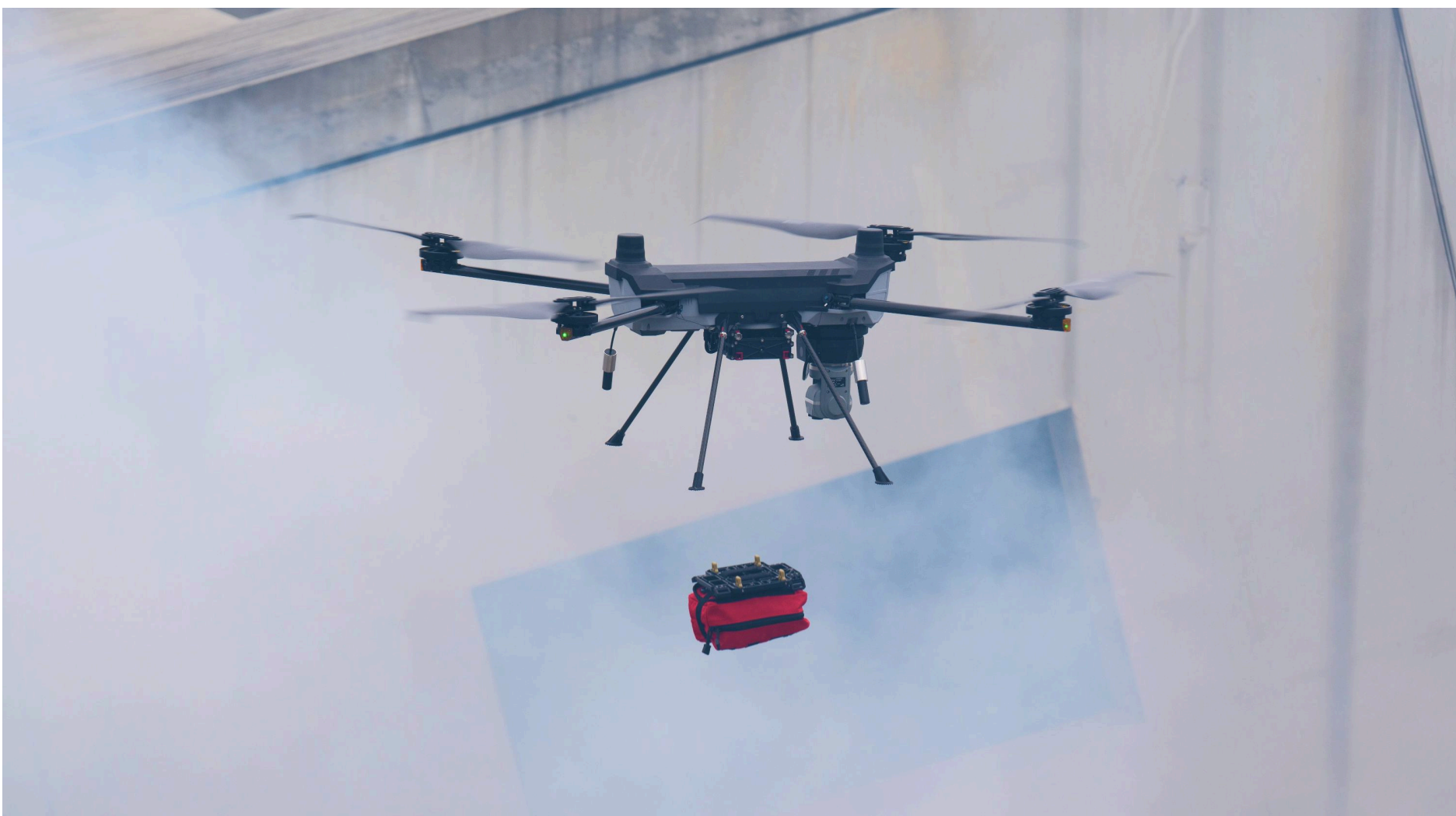
The C100 is a portable, packable sUAS with industry-leading flight time. It supports long-range ISR and cargo transport with its swappable payloads, open architectures, and hands-free autonomy features. The design of C100 centers around flexible payload integration, allowing it to support EO/IR sensors, GPS denied navigations, comms relay, 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



Precision Targeting



Portable

C100



C100 Specifications

FOLDED / UNFOLDED	24" x 15" x 8" / 64" x 65" x 11"	
WEIGHT	21.9 lbs (9.9 kg)	
MAX PAYLOAD MASS	Up to 10 lbs (4.5 kg)	
MAXIMUM GROSS TAKEOFF WEIGHT	31.9 lbs (14.5 kg)	
ENDURANCE	74 minutes with ISR Payload	
RANGE	Up to 6.2 miles (10 km) Up to 12.4 miles (20 km) with Range Extension Kit (REK)	
SPEED MODE OPTIONS	Safe Mode: 2.2 m/s (4.9 mph) Cruise Mode: 10 m/s (22.4 mph) Dash Mode: 18 m/s (40.3 mph) Precision Control Mode: 2.2 m/s (4.9 mph)	
MAX SPEED	40.3 mph (64.8 km/h)	
WIND LIMITS	30 mph sustained, 40 mph gust	ISR configuration
	25 mph sustained, 35 mph gust	Up to 5 lbs gross payload weight
	20 mph sustained, 30 mph gust	Up to 10 lbs gross payload weight

NIGHT OPERATIONS	Zero-light emission mode // IR LEDs + Strobe Lights
ACOUSTIC SIGNATURE	61 dB @ 5 m / inaudible at 600 m
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 to 57°C –4°F to 134.6°F
WEATHERIZATION	IP54
SUPPLY CHAIN	NDA Compliant / Blue UAS

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