



KRAKEN DRONE PERISCOPE – C5ISR UAS

Type: FIXED WING VTOL LONG RANGE ISR
Secure Data Collection and Extended Durations



Proven Navigation Resiliency:	Proven operational experience under jamming and spoofing environments.
Reliable Communications:	Operates under severe signal disruptions in a combat environment.
Advanced Communications:	Dual communication channels, integrated advanced Mission Computer (MC) for autonomous flight and soft, precise landing.
Mission Flexibility:	Up to 3.5 kg of payload weight with dual and triple sensor capability (EO/IR, SIGINT, COMINT, Mapping).
Benefits:	Maritime Operations: Takeoffs and landings in confined areas and strong winds. Improved Operations: Ease of assembly for rapid deployment with a small crew. Robust and reliable

Technical Specification	
Model:	KRAKEN
Primary User:	C5ISR
Aircraft Type:	VTOL Fixed Wing
Dimensions:	Wingspan: 158.26" x L: 74.8 " / Aircraft H: 25.5"
Maximum Takeoff Weight (MTOW):	39.6 lbs (18 kg)
Payload Capacity:	3.3 lbs (1.5 kg)
Payload Configuration:	Dual Sensor EO, IR with optical zoom 360° / High - Res day mapping / thermal mapping payload
Power Source:	Lith. Ion or Hydrogen Fuel Cell
Flight Endurance:	2.5 hours(battery) / 6h (fuel cell)
Coms Link:	Digital COFDM / Frequency Hopping / GDT compatible with Spectre
Navigation:	ARK GPS (Multi-band GNSS receiver, L1/L2 bands, Multi-band RTK)
Coms Range:	50 km (Ground to Air),200 KM (Air to Air)
Flight Modes:	Autonomous or Manual
Cruise Speed:	65 mph
Max Altitude:	16000ft (4876 m)ASL
Optimal Operating Altitude:	3280 ft (1000 m) AGL
Environmental Rating:	IP67
Maximum Wind Speeds:	15 mph (During Take -Off & Landing)
Temperature Range:	F: -30 °C- 120°/C: -34.44° - 48.88°