



CUDA DRONE PERISCOPE – C5ISR UAS

Type: MAN PORTABLE MULTI-ROTOR ISR
Small, Light weight, Packable Configuration



Compact and Agile Design:	Engineered for versatility and maneuverability, this small UAV is ideal for confined or complex terrains, allowing for close-in reconnaissance, perimeter surveillance, and rapid deployment in austere environments.
ISR+ Capability:	Designed to carry ISR payloads and an additional payload up to 1.5 kg. Ideal for offensive cyber or lethality missions
Benefits:	Embedded three-axis 4K camera: Can transmit 1080P real-time imagery to the ground system. Autonomous and Precision Navigation: Advanced navigation systems, including GPS and GNSS, combined with object avoidance technology, allow for autonomous operation, high-precision waypoint navigation, and hands-off mission control, enhancing mission effectiveness. Real-Time Intelligence and Enhanced Situational Awareness: Equipped with advanced sensors and communication systems, this UAV provides real-time intelligence, surveillance, and reconnaissance (ISR) data, enabling operators to make rapid, informed decisions in dynamic mission environments.

Technical Specification	
Model:	CUDA
Primary User:	C5ISR
Aircraft Type:	Small Man-Portable Quad Rotor VTOL
Dimensions:	18"Lx21 "Wx8"H
Maximum Takeoff Weight (MTOW):	3.5 Kg (including battery)
Payload Capacity:	1.5 Kg
Payload Configuration:	Front mounted ISR payload
Power Source:	Lith. Ion
Flight Endurance:	26 minutes
Coms Link:	FR or LTE
Navigation:	GNSS/Inertial
Coms Range:	15 km (Ground to Air)
Flight Modes:	Autonomous or Manual
Cruise Speed:	40 mph (17.88 m/s)
Max Altitude:	<1000 ft (305 m)
Optimal Operating Altitude:	<1000 ft (305 m)
Environmental Rating:	IP54
Maximum Wind Speeds:	25 mph
Temperature Range:	-10°C ± 40°C