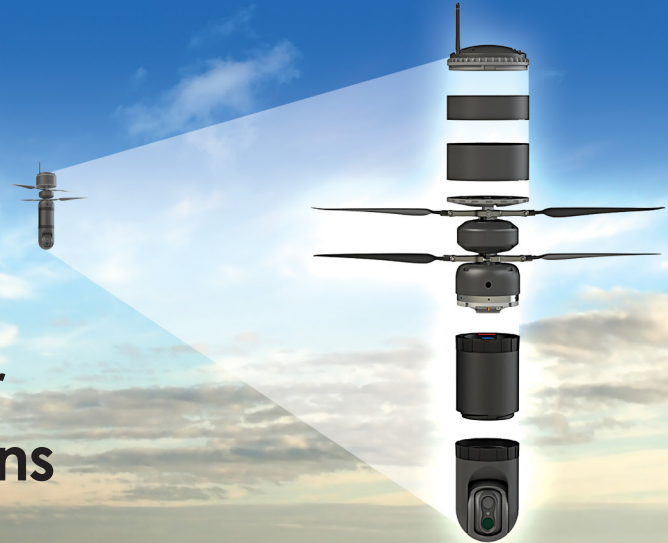


Spirit Coaxial UAV

Power and portability for mission-critical operations



Dynetics has teamed with Ascent Aerosystems to provide Coaxial Unmanned Aerial Vehicles (UAVs), presenting a significant advance in unmanned capability. These compact vehicles are easily stored and transported, enabling a range of missions including intelligence, surveillance, and reconnaissance (ISR); resupply; and strike. Our employment methods—**hand launching**, **ground launching**, or **tube launching** from mobile ground and air platforms—provide a unique platform to explore new and innovative tactics, techniques, and procedures (TTPs).

Most coaxial UAVS are bulky and fragile, making them difficult to operate without careful planning and support. The Spirit Coaxial UAV is compact, rugged, and easy to transport while tough enough to handle operational environments. A highly modular UAV by design, it is rapidly scalable and adaptable by the warfighter to any payload type and mission.

Highlights

- Compact self-contained form factor
- Simple cylindrical shape, rugged materials
- Swap or stack payloads in seconds
- Greater rotor disc area increases efficiency
- Modular, folded rotors, direct drive



Portable, Rugged Airframe



Compact and inherently strong w/ simple interfaces

All-Weather Operation



Water & particulate resistant, key MIL-Spec 810G criteria

Highly Modular & Rapidly Reconfigurable



Payloads & batteries stack above and below rotor system

Flies Longer, Carries More



75% smaller w/30% longer endurance, 60% more payload over similar sized quad-rotors

Innovation to extend human capabilities and accomplish the mission

At Dynetics, we apply unmanned capabilities to a range of missions for both government and commercial customers. Our team brings the expertise, equipment, and processes needed to carry out advanced research and development, real-time data services, advanced payload integration and flight testing, complex flight operations, counter-UAS security, and post-delivery field service support.

Innovating Unique Capabilities Since 1974

At Dynetics, we help customers accomplish complex, high-value missions. By combining the capabilities of a large business with the responsiveness of a small business, Dynetics put in place extensive R&D capabilities and deep technical expertise in systems engineering, systems analysis, modeling and simulation, cyber, software development, rapid prototyping, test and evaluation, manufacturing, integration, and operations. Using our considerable engineering, scientific, and other technical resources, we help customers identify, analyze, and respond to complex threats to their missions.



Automotive



Cyber & IT Solutions



GroundAware® Surveillance



Intelligence



Radars & Sensors



Space Solutions



Strike Systems



Unmanned Systems



Weapons Technology



Hypersonics



Directed Energy



Advanced Manufacturing

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