Airborne Systems®

DragonFly®

Guided Precision Aerial Delivery System

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WHERE TECHNOLOGY »*TAKES FLIGHT*

DragonFly®

GUIDED PRECISION AERIAL DELIVERY SYSTEM

Modular Design for Packing and Maintenance

The DragonFly® is unique in that the canopy is packed on a frame which can be separated from the Airborne Guidance Unit (AGU). This allows the AGU to be charged, maintained, and stored separately while the canopy is being packed.

The DragonFly® can be rigged for extraction or gravity drop and uses a deployment bag similar to a conventional G-11 style deployment bag with a standard Release Away Static Line (RASL). The system can be easily converted from gravity drop to extraction configuration while the system is packed.

Ease of Use

Simply place the system into operation by entering the location of IP and system GRW. Wind data can also be uploaded into the AGU but is not required for operation. Using state of the art avionics and payload GRW, the AGU calculates its position four times per second and continually adjusts its flight algorithm to ensure maximum accuracy.

Mission Planning

Use of a Mission Planner is essential for the accurate deployment of the DragonFly®. Mission Planning can be conducted with the Airborne Systems jTrax Mission Planner or the current U.S. Air Force Consolidated Airdrop Tool Mission Planning Application (CAT MPA). The Mission Planning software calculates the release point for the system by using forecasted wind data and the flight characteristics of the DragonFly® canopy. The Airborne Systems jTrax Mission Planner is also capable of running simulated missions using the included terrain mapping software. Simulating missions before an actual airdrop allows the aircrew to ensure surrounding terrain will have no effect on the mission.

Control Unit

The Remote Control Unit allows a user to remotely program the system for a mission and can be used to monitor the status of systems while onboard the aircraft prior to drop. After the DragonFly® is dropped, the Remote Control Unit can be used to monitor the location and heading while in flight. If desired, an operator may override the Airborne Guidance Unit and fly the system manually.

Specifications

Gross Rigged Weight	
Minimum	4,900 lb (2,222.6 kg)
Maximum	10,000 lb (4,535.9 kg)
Physical Characteristics	
System Weight	508 lb (230.4 kg)
Span	110 ft (33.5 m)
Surface Area	3,500 sq ft (325.2 m2)
Chord	33 ft (10.1 m)
Cell Count	35

Altitudes	
Maximum Release (AMSL) in a C-130	24,500 ft (7,467.6 m)
Gravity Dropped	17,500 ft (5,334 m)
Maximum Release (AMSL) in a C-17	17,999 ft (5,486.1 m)
Max Glide	
L/D, No Wind	3.5:1

Completed 80% of drops within 820 ft (250 m) of the IP

Explore Airborne Systems' family of GPADS

2K1T | FC Mini | MicroFly | FireFly | DragonFly | MegaFly | GigaFly