Airborne Systems

RAZORFLY®

Guided Precision Aerial Delivery System

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WHERE TECHNOLOGY »*TAKES FLIGHT*

RazorFly®

GUIDED PRECISION AERIAL DELIVERY SYSTEM

RazorFly is a reusable Guided Precision Aerial Delivery System capable of carrying a Gross Rigged Weight (GRW) of up to 4,500 lb (2,041 kg) and can glide up to 25 kilometers after being dropped.

Ease of Use & Control Unit

- No Wind data required for operation - RazorFly makes continual corrections until the final flare to land
- Analyzes its environment in real time, adjusting the flight algorithm several times each second
- Remotely program the systems and monitor the status while onboard the aircraft prior to drop
- Monitor the location and heading while in flight
- Ability for operator to override the Airborne Guidance Unit and fly the system manually

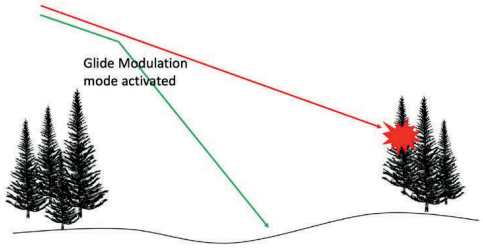
Roadway Landing Algorithm

All Airborne Systems Precision Guided Systems have a default setting to perform an into the wind landing. This reduces the ground speed of the system and improves payload survivability. In situations where the user requires the system to land on a straight section of roadway, a ridgeline, or the long axis of a drop zone, the system can be programmed to land on a designated azimuth.

Vertical Descent Mode

RazorFly uses Vertical Descent Mode; a unique feature that can reduce the glide of the canopy from 3.25:1 to 1.5:1. The three main concerns related to the use of GPADS are mitigated:

- The size of the safety footprint is reduced in most cases
- The landing is performed in an almost vertical flight, with urban drop zones in mind (square, compounds, stadiums)
- The survivability of payloads is increased as they are less likely to tumble upon landing



Specifications

Gross Rigged Weight	
Minimum	2,500 lb (1,134 kg)
Maximum	4,500 lb (2,041 kg)
Physical Characteristics	
System Weight	250 lb (113 kg)
Surface Area	1,740 sq ft (162 m^2)
Cell Count	23

Altitudes	
Maximum Release (AMSL)	24,500 ft (7,468 m)
Maximum Release (AGL)	5,000 ft (1,524 m)
Max Glide	
Glide Ratio	3.5:1 to 3.75:1

Completed 80% of drops within 150 m of the IP

Explore Airborne Systems' family of GPADS

FlyClops 2K | FC Mini | NanoFly | MicroFly | FireFly | DragonFly | RazorFly