Airborne Systems®

NANOFLY

Guided Precision Aerial Delivery System

AIRBORNE SYSTEMS NORTH AMERICA

sales@airborne-sys.com
airborne-sys.com

CALIFORNIA
3100 W. Segerstrom Avenue
Santa Ana, CA 92704, USA
Tel: +1.714.662.1400
Fax: +1.714.662.1586

NEW JERSEY
5800 North Magnolia Avenue
Pennsauken, NJ 08109, USA
Tel: +1.856.663.1275
Fax: +1.856.663.3028

WHERE TECHNOLOGY »*TAKES FLIGHT*

NanoFly

GUIDED PRECISION AERIAL DELIVERY SYSTEM

NanoFly is a reusable autonomous equipment delivery system intended to fly autonomously to the IP (impact point) without external guidance. NanoFly can be used to accompany HALO/HAHO teams during insertion, eliminating the need for jumper's to directly carry or search for unaccompanied cargo.

Features & Capability

- Able to fly autonomously or manually with an optional remote which can control multiple NanoFly systems simultaneously
- Will autonomously land into the wind, and if desired, a landing azimuth can be entered for a landing along a linear feature such as a road or a mountain ridge
- Risers connected with Spectra® suspension and control lines, and four barrel-nut style connector links (Rapide Links)
- Also includes a payload harness to interface the system with a ruck sack or similar type payload

Ease of Use

- Same pack and preparation time as a conventional personnel parachute
- Can be rigged to a bundle in 10 minutes with no pyrotechnic devices
- Data required: location, elevation of the IP, and payload GRW

Deployment Options

- HALO configuration: allows maximum flexibility when time over target is limited
  - Main canopy deployment can be programmed with a time delay or the above-ground-level altitude
- HAHO operations: drogue delay time can be set to zero
  - Main canopy will deploy immediately upon exit from the aircraft

Canopy Options

7-cell, crown rigged, ram air canopy:

- BG-65
- BG-120

9-cell reflexed airfoil, fully elliptical, ram air canopy:

- INT-190C

Specifications

Canopy	BG-65	BG-120	INT-190C
Canopy Area	65 ft^2 (6m^2)	120 ft^2 (11m^2)	190 ft^2 (17.6m^2)
Maximum Suspended Payload and AGU Weight	65 lb (29.5 kg)	125 lb (57 kg)	250 lb (113.4 kg)
Minimum Suspended Payload and AGU Weight	25 lb (11 kg)	60 lb (27 kg)	120 lb (54.4 kg)
Maximum Recommended Drop Altitude	24,500 ft (7468 m) MSL	24,500 ft (7468 m) MSL	24,500 ft (7468 m) MSL
Minimum Recommended Deployment Altitude	3,500 ft (1067 m) AGL	3,500 ft (1067 m) AGL	3,500 ft (1067 m) AGL

	AGU
AGU Size	9.5 x 12 x 6.5 in (741 $inches^3$)
Control Line Motor	24v Brushless
Power Supply	24 volt
Battery Type	One 24v 5AH LifeP04 Battery Pack
Non-Volatile Memory Card	16 Gb SD Card
Charger	25.6VDC Lithium Battery Charger

Explore Airborne Systems' family of GPADS

FlyClops 2K | FC Mini | NanoFly

MicroFly | FireFly | DragonFly | RazorFly

AIRBORNE SYSTEMS NORTH AMERICA