

The NanoFly is an autonomous equipment delivery system that emphasizes ease of use and flexibility. By incorporating proven technology with innovative design, Airborne Systems has created a safe and reliable system that meets the needs of the modern warfighter.

The NanoFly is intended to fly autonomously to the IP (Impact Point) without external guidance. Should a user desire to fly the NanoFly manually, an optional remote is available which can control multiple NanoFly systems simultaneously. The NanoFly can be used to accompany HALO/HAHO teams during insertion and can be used to supply elements on the ground.

### Ease of Use

Packing and preparation of the NanoFly takes no longer than the time to pack a conventional personnel parachute. Rigging of the NanoFly to a bundle can be accomplished in 10 minutes and requires no pyrotechnic devices. Once rigged, the only data required to place the NanoFly into operation is the location and elevation of the IP and payload Grossed Rigged Weight (GRW). The NanoFly 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.

### Flexibility

The NanoFly can be used with the BG-65, BG-120, and INT-190C canopies, depending on the payload weight. The BG-65 and BG-120 are simple 7-cell, crown rigged, ram air canopies. The INT-190C is a fully elliptical, ram air, 9-cell reflexed airfoil canopy, similar to the RA-360. All have Spectra® suspension and control lines, and four barrel-nut style connector links (Rapid Links), which connect to the risers on the NanoFly Harness/Container.

The NanoFly also includes a payload harness to interface the system with a ruck sack or similar type payload.



### Deployment Options

The NanoFly is rigged in a drogue-fall (HALO) configuration. The HALO configuration allows maximum flexibility when time over target is limited. The system can be programmed with a time delay or the above-ground-level altitude to deploy the main parachute. For HAHO operations the drogue delay time can be set to zero, and the main canopy will deploy immediately upon exit from the aircraft.

### Performance

The NanoFly is a safe and effective platform which can improve a unit's mission capabilities without compromising safety or increasing training requirements. The NanoFly is a robust system that offers full functionality and limitless potential but at the same time is simple to operate and maintain.

## Specifications

## NanoFly

---

Canopy	BG-65
Canopy Area	65 ft <sup>2</sup> (6m <sup>2</sup> )
Maximum Suspended Payload and AGU Weight	65 lb (29.5 kg)
Minimum Suspended Payload and AGU Weight	25 lb (11 kg)
Maximum Recommended Drop Altitude	24,500 ft (7468 m) MSL
Minimum Recommended Deployment Altitude	3,500 ft (1067 m) AGL

## Specifications

## NanoFly

---

Canopy	BG-120
Canopy Area	120 ft <sup>2</sup> (11m <sup>2</sup> )
Maximum Suspended Payload and AGU Weight	125 lb (57 kg)
Minimum Suspended Payload and AGU Weight	60 lb (27 kg)
Maximum Recommended Drop Altitude	24,500 ft (7468 m) MSL
Minimum Recommended Deployment Altitude	3,500 ft (1067 m) AGL

## Specifications

## NanoFly

---

Canopy	INT-190C
Canopy Area	190 ft <sup>2</sup> (17.6 m <sup>2</sup> )
Maximum Suspended Payload and AGU Weight	250 lb (113.4 kg)
Minimum Suspended Payload and AGU Weight	120 lb (54.4 kg)
Maximum Recommended Drop Altitude	24,500 ft (7468 m) MSL
Minimum Recommended Deployment Altitude	3,500 ft (1067 m) AGL

## Specifications

## AGU

---

AGU size	9.5"x12"x6.5" inches (741 inches <sup>3</sup> )
Control Line Motor	24v Brushless
Power Supply	24 volt
Battery Type	One 24v 5AH LifeP04 Battery Pack
Non-Volatile Memory Card	16Gb SD Card
Charger	25.6VDC Lithium Battery Charger

## AIRBORNE SYSTEMS NORTH AMERICA

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

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

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

**TRAINING FACILITY**  
4760 North Lear Drive  
Eloy, AZ 85131, USA  
Tel: +1.856.571.4717