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Tel 610-521-6115 ext. 202

DP-14 Hawk

430 Lbs Payload Tactical UAV

VTOL: No Runway Required

Specifications



Modular configurations



External hard points for oversized items



DP-14 Hawk, 430 lbs payload, Internal cargo area 23 cubic feet

DP-14 Hawk

Payload: 430 lbs

Speed: 105 KTAS

Cruise speed: 72 KTAS

Rapid climb under load:
500 ft / minute

Stall speed: None

Stable hover: Yes

Crosswinds: 40 kts

Altitude: 15,000 ft

Our UAV are military-proven and have successfully flown thousands of hours. They are now available for industry.

* Requires additional technology

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DPI is the industry leader in rotary wing unmanned aerial vehicles (UAV) in the U.S. The DPI DP-14 Hawk is a vertical take-off/land (VTOL) UAV that carries up to 430 lbs internal payload. The internal cargo area is 23 cubic feet in size, over 6 ft long, and over 20 inches wide. The Hawk's tandem configuration permits fast, agile aerial delivery and haul back with precision flight, self-deploy and self-recover, and precision drops (better than 3 meters) in unprepared, complex terrain. Onboard LIDAR and powerful computers perform efficient path planning and intelligent landing-site selection. Use of a relative positioning system allows the DP-14 Hawk to self-launch and self-recover on heaving, rolling, pitching ships with 8-inch accuracy CEP.*

Performance

Model	DP-14-T62
Hybrid heavy fuel engine	Solar T62
Fuel	JP-5 or JP-8
Power	80 Hp
Electric generator	4.5 kW
Gross weight	900 lbs
Empty weight	500 lbs
Payload volume	23 cubic feet
Internal fuel capacity	39.3 gal (270 lbs)
External fuel capacity	30 gal (130 lbs)

Increase range:

Trade payload for fuel to optimize endurance for your application



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Fits in utility trailer or standard van



Add fuel to increase range, endurance



Carrying cargo inside the aircraft allows for fast, agile flight even under load — up to 50% faster than a comparable sling-loaded aircraft.

DP-14 Hawk

- Deploy in 15 minutes
- User-friendly waypoint navigation
- Simple, one-person operation
- No runway required
- Hand off control to a remote team
- Onboard processing for real-time, high-bandwidth imagery, data
- User-defined lost link protocols
- Detailed aircraft status

† Other options available.

Airframe Specifications

Model	DP-14
Gear type	Fixed/wheeled†
Fuselage length	13.5 ft
Fuselage width	24 inches
Minimum rotor height	66 inches
Rotor diameter	13 feet
Rotor separation	8 feet

Endurance with typical payloads

- 2.4 hours, 430 lbs payload
- 4.3 hours, 100 lbs payload

Sensors and Capabilities

LIDAR, IMU, GPS	Yes
Ultrasonic rangefinder	Yes
Nap of earth (NOE) flight	Yes
NLOS operation	Yes

Communication Package

Iridium Satcomm†	Yes
Encrypted communications	Yes



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