TOP FLIGHT TECHNOLOGIES®
MASTERY LEADS INNOVATION.

Airborg™ H8 10K Product Solution Sheet

General Features

- Enhanced Endurance, Extended Payload Quad Co-Axial Rotor Platform
- (8 – 4x2) T-Motor U12 Motors w/ ESC
- (8) 34" Carbon Fiber Propellers
- (1) Top Flight Advance Autopilot System – Tuned & Calibrated for 4x2 8-rotor Quad Platform
- (1) RC Remote – up to 2 Mile Max Range
- (1) **Top Flight Hybrid Propulsion Engine™** 10 kW Rated Hybrid Engine, 5 Gallon Fuel Tank, 50V, 6000 mAh Battery
- Built in 5V DC and 12V DC payload power (100 W total)
- Onboard Flight Data Recorder
- Manual, Semi-autonomous, Fully Autonomous Mode Enabled
- Estimated Flight Time: 2+ Hours
- Maximum Velocity: 40 mph
- Wind/Gust Conditions: up to 35 mph
- Maximum Payload: up to 10kg
- Maximum Range: 100 miles
- Pre-Assembled & Tested
- 30 Day Limited Warranty
- Flexible Payload Mounting Options
- Redundant Design for High Reliability
- Alternate Navigation and Sensor Packages Available
- Modular Design for Ease of Maintenance
- Full Spares Kit Available as an Option
- Extensive Engagement & Maintenance Repair Operations (MRO) Support
- Long range Radio System with Status Telemetry available for up to 15 km Range.
- Optional Integrated Gimballed Camera System
- Optional Enhanced Power Plant for Larger Payloads and/or Longer Endurance

Multi-Function Solution

Aerial Imaging	Inspection/Surveillance
Mapping	Object Tracking
Cargo Delivery	Remote Sensing

Contact Us

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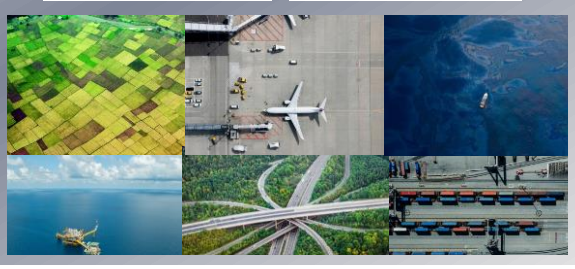

Airborg™ H8 10K with Top Flight Hybrid-Power System

The **Airborg™ H8 10K** is a 1950 mm(L) x 1600 mm(W) x 1500 mm(H) multi-function, enhanced flight time, extended payload, quad (4x2) 8-rotor UAV platform. This vehicle has eight 34" carbon fiber propellers, removable arms for packing and transport, an estimated flying time of 2+ hours with up to 4kg payload, over 1 hour with up to 10kg payload, at a maximum velocity of 40 mph, a maximum range of 100 miles, and can operate in wind/gust conditions up to 35 mph.

The platform is equipped with **Top Flight's Advance Autopilot System** that tunes and calibrates the **Top Flight Hybrid Propulsion Engine™** system which includes a 10 kW rated engine, a 5 gallon fuel tank and a 50V, 6000 mAh Lithium Polymer battery. The vehicle can operate in manual, semi-autonomous or fully autonomous modes and includes an onboard flight data recorder, with a RC remote with up to 2-mile max radio range.

Top Flight is the first company to successfully demonstrate true serial hybrid power integration into multi-rotors at industry disruptive price points. The **Top Flight Hybrid Propulsion Engine™ has a demonstrated world record of 2.5+ hours with 1 gallon of gasoline** and removes numerous challenges for UAV business uses. Issued patents (US 9,751,625; US 9,764,837; US 9,751,626).

Application-specific Solutions

Working with Top Flight application specialists our open-framework hardware and software platform can be fast-adapted to:

- Inspect and collect information in remote hard to reach locations with varying degrees of automation, from remotely piloted to full-scale autopilot operation.
- Address applications for large UAVs for extended payload, range (100+ miles), and endurance (gusts of 35mph), using the same open-platform framework.
- Utilize any combination of optional features such as real-time multi-spectral imaging, long range communications, remote sensing, GPS tagging, 4G network communications, auto-finder, object tracking, information storage and battery solutions that are optimized for a specific application.

Contact us to get started with your project application.