

OVERVIEW

The EH-4/HL system is a tough, survivable VTOL sensor platform designed for aggressive applications. Emphasis has been placed on stability, ease of maintenance and ruggedness. Principal applications include: surveillance, sensor transport, precision agriculture services, public utilities applications, emergency response, search and rescue and rough industrial environment applications. The flexible EH-4/HL VTOL system can be reconfigured to meet specific sensor and mission needs.



GENERAL SPECIFICATIONS

- Fiber reinforced G-10 composite construction
- Spare components that can be quickly field fitted / repaired
- MTOW: 28 lbs.
- Max Payload Weight: 10 lbs.
- Dimensions: 31"x31"x15" (L/W/H)
- Operating Range (RF and COA dependent)
- Rated speed: 35 mph
- Altitude ceiling: 500 feet AGL (COA Dependent)
- Lithium polymer battery pack (varies with mission requirements)
- 80 amp American-made electronic speed controls (ESC)
- Loiter time dependent on payload weight and battery size
- Typical Flight time: 20 minutes with 5 minutes reserve (8lb payload)
- Multiple control systems/ground stations available
- Programmable fail-safe: Low Battery, Loss of Signal, Loss of GPS
- Secure Datalink
- Custom HUD and video data links available (encrypted)



Made in the USA

All design and manufacturing are performed in the United States at our Ohio based facility



Mission Focus

We take your sensor/payload and custom design a solution based on your needs and requirements



Fixed Wing or Rotary

A large variety of both fixed wing and rotary platforms with a variety of control and launch options

**For additional information, or a systems quotation, please contact us at:
info@sgamf.com**

SYSTEM DETAILS

The SelectTech EH-4 VTOL base design is highly configurable/mission specific and very durable resulting in an airframe well-suited for tough industrial, public service or agricultural applications. Below is a general list of current system configurations. Other options are available.

Power Train

Motor: 2000 watt, 260 rpm/volt, 3 phase

ESC: 80A feedback timed

Battery: 24v-22000mAh, Lithium Polymer

Props: 22"-26" (Mission Dependent)

Autopilot

Option 1 – Pixhawk™

Option 2 – Cloud Cap Piccolo Nano®

Option 3 – customer specified

Radio

Option 1 - Spectrum DX-6 / 6 channel with telemetry down-link

Option 2 – Spectrum DX-8 / 8 channels with telemetry down-link

Option 3 – customer specified

Ground Station

- Standard lap-top computer with telemetry
- Ruggedized lap-top computer with telemetry
- Android tablet computer with telemetry
- Other – customer specified

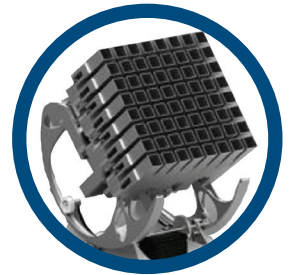
Construction

- Standard: G10 fiberglass composite

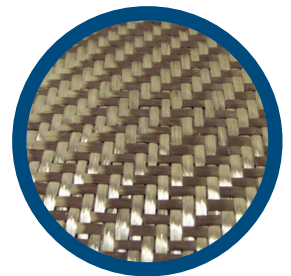
Sensors and Gimbal

- Electro Optical – Garmin VIRB®
- Infrared – FLIR Tau™
- Sentera® EO and NDVI
- Other Sensors – customer specified

**For additional information, or a systems quotation,
please contact us at: info@sgamf.com**



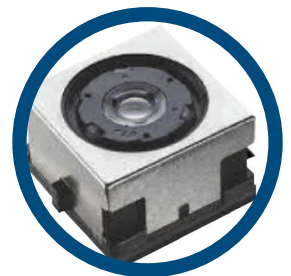
**Multi-Band
Communications
& Novel Antennas**



**Lightweight
Composite
Materials**



**Energy Dense
Batteries &
Propulsion System**



**Wide Variety of
Sensor, Camera, &
Payload Options**