

## Custom Configured EP-2000 Lightweight Fixed-wing sUAS



*The EP-2000 is a tough, survivable, fixed-wing sensor platform designed for missions covering long loiter times. Emphasis has been placed on stability and ruggedness. Principal applications include: precision agriculture services, public utilities applications, and emergency response, and search and rescue missions. The EP-2000 is a custom designed aircraft that can be tailored to user requirements.*

### **General Specifications:**

- Hand launched and skid or net recovery
- Loiter time: Over one hour
- On board data recording and/or data down link
- Easily removable wings/Sensor Pod
- Folding Propeller / high efficiency electric out-runner motor
- GPS/Multi way point navigation
- Modularized components for easy assembly/disassembly
- EO/IR/NIR sensor options
- Electric/LiPo power system
- Light weight Polystyrene foam core and fiberglass wings
- G-10 fiberglass fuselage construction
- 6 foot (1.8 meter) wingspan
- 5.8 pounds (6.5 pounds with typical camera or sensor)
- ABS Fuselage Wing interface
- Woven Carbon Fiber tail boom

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## *System Details*

*The SelectTech EP-2000 base design is highly configurable/mission specific and very durable, resulting in an airframe well-suited for tough industrial or agricultural applications. Below is a list of current system configurations. Other customer specified options are available.*

### *Power Plant*

*Motor: Himax 3522 or Customer specified  
ESC: Castel 75 Amp  
Battery: 14.8 Volt / 5100 MAh 4S1P / Power Pole® connections*

### *Autopilot*

*Option 1 – Pixhawk by 3-D Robotics  
Option 2 – Customer specified*

### *Radio*

*Option 1 - Spectrum DX-8 / 8 channels with telemetry  
Option 2 – Spectrum DX-6 / 6 channels with telemetry  
Option 3 – Customer specified*

### *Ground Station configuration*

- *Standard Lap-top computer with telemetry*
- *Ruggedized Laptop computer with telemetry*
- *Android tablet with telemetry*
- *Other – Customer specified*

### *Construction*

- *Standard fiber glass / Kydex®*
- *Kevlar® and carbon fiber components available*

### *Sensors and Gimbal Options*

- *Electro Optical - Customer specified*
- *Infrared or NIR – Customer specified*
- *FLIR Tau Infrared*
- *Other Sensors – Customer specified*

**For additional information, or a systems quotation, please contact us at: [info@sgamf.com](mailto:info@sgamf.com)**

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