

The GeoSwift Mapper UAS was designed as an advanced fully autonomous, yet simple to operate, survey and mapping unmanned aircraft system. The mission planning software is intuitive allowing operators to get up and flying quickly. Take-off is performed through a simple hand launch, and the landing algorithm features a robust and precise autonomous landing.



## FEATURES

The GeoSwift Mapper UAS also features an interchangeable camera payload bay providing flexibility to suite your business's needs. Select from one or multiple cameras to produce professional outputs that include:

- Orthomosaic
- DSM (Digital Surface Model)
- Topographic Map
- 3D Mesh With Texture
- NDVI (Normalized Difference Vegetation Index)
- Point Cloud
- Thermal/IR



**CALL GEOTECH TODAY (800) 833-7958**

**Geotech Environmental Equipment, Inc.**

2650 East 40th Avenue • Denver, Colorado 80205

(303) 320-4764 • FAX (303) 322-7242

email: sales@geotechenv.com • website: www.geotechenv.com

### SPECIFICATIONS

#### Aircraft Specifications

<b>Platform Type:</b>	Fixed Wing
<b>Flight Time:</b>	1 hour
<b>Area Covered:</b>	600 acres (900 with battery upgrade)
<b>Wing Span:</b>	67.5"
<b>Operating Temperature:</b>	-5 to 100°F
<b>Gross Takeoff Weight:</b>	6 lbs.
<b>Maximum Airspeed:</b>	44 mph (20 m/s)
<b>Maximum Operational Winds:</b>	25 mph (11 m/s)
<b>Best Mapping Speed:</b>	30 mph (13 m/s)
<b>Stall Speed:</b>	11 m/s
<b>Maximum Rate of Climb:</b>	4.6 m/s
<b>Operational Ceiling:</b>	14,000' MSL
<b>Operating Temperature</b>	-5 to 100°F
<b>Flight Management System:</b>	SwiftCore™

#### Ground Control Station Specifications

<b>Flight Management System:</b>	SwiftStation™, SwiftPilot™, and SwiftTab™
<b>Operating System:</b>	Android Tablet, 9.7" Display
<b>Run Time:</b>	4+ Hours
<b>Communication Frequency:</b>	900mhz

#### Ready-To-Fly Out Of The Box

The GeoSwift Mapper UAS includes everything required for conducting mapping missions; aircraft, battery, ground station with tripod, tablet computer, field toolbox, carry case, control handset, and flight training.

Select from one or multiple camera and accessory options that suit your mapping needs:

**Sony a6300 with Optional PPKRTK** (centimeter accuracy)

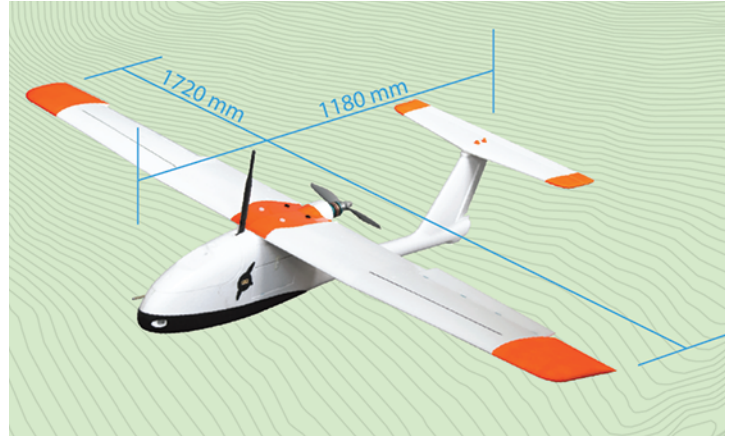
- APS-C 24 MP sensor
- World's Fastest AF (Auto Focus)

**MicaSense RedEdge Multispectral**

- 5 Spectral Bands including near – IR

**FLIR Vue Pro**

- Thermal Imaging



Available Flight Training

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