



Overview

The Sentinel-Ag is an easy to deploy, full electric, light weight fixed-wing vertical take-off and landing UAS capable of up to 90-minute endurance on a single battery. Easy to assemble and transport, the Sentinel-Ag can accommodate an array of exchangeable payloads, making it the ideal solution for agriculture. Our payload recommendation is MicaSense Rededge P, high-resolution multispectral and RGB sensor. Its five narrow multispectral bands with scientific-grade filters make it the perfect camera for calculating multiple vegetation indices and composites.

Key Features

- Supports fully automated, semi-automated and manual flight modes.
- Includes hand-held controller and tablet for flight planning & real-time operation.
- Ready to Fly configuration includes battery, charger, transport case.
- Easy to deploy, assembles in minutes.

Specifications

Width	216.0 cm (85.04in)
Length	120 cm (47.24in)
Aircraft Weight	4 kg (8.82 lbs)
MTOW	8 kg (17.64 lbs)
Payload Capacity	1 kg (2.20 lbs)
Maximum Speed	22 m/s (80 km/h)
Cruise Speed	20 m/s (72 km/h)
Endurance (Max)	90 minutes
Battery	22000 mAh
LiPo Construction	High Density EPO
Launch / Recovery Area	5m x 5m



Sentinel-Ag + MicaSense Rededge P