

# CUMULUS V1

MAPPING & SURVEYING COMPANION



# SKY-WATCH

## CUMULUS V1

**RUGGEDIZED  
MORE COVERAGE  
LONGER ENDURANCE**



Cumulus V1 is a fully autonomous light weight drone for civil applications ranging from precision agriculture to accurate mapping and surveying.

Cumulus V1 is easily transportable and provides exceptionally large terrain coverage due to its 2 ½ hours flight time and 58km/h cruising speed.

The aircraft is made from the best carbon fiber and kevlar, which makes it one of the most robust UAVs on the market.

With its large payload capacity, the Cumulus V1 can handle a payload up to 500g with various possibilities for customization.

## UNIQUE FEATURES

- **Hand launch and automated retrieval**  
The Cumulus V1 can be launched by hand without any launching mechanism and retrieved by automated landing procedure.
- **Autonomous vertical landing**  
Fully autonomous vertical landing without the need of any landing equipment or crane.  
The Cumulus V1 uses controlled deep stall for landing and a 10m x 10m landing area.
- **Mapping**  
The Cumulus V1 is made for mapping missions and has long endurance for greater coverage (40km<sup>2</sup>) - fast and effectively.
- **High Precision**  
Combining the flight performance and endurance of the Cumulus V1 with high precision PPK/RTK GPS, which means improved time-efficiency and higher output quality.
- **Optional payload**  
Modular payload options, ranging from RGB to Multispectral sensors.  
With its two sensors, multi-spectral and sunshine, Sequoia analysis plants' vitality by capturing the amount of light they absorb reflect.
- **Detachable wings & tail**  
For easy and compact transport, wings and tail can be detached.