



ALPAS

GEOSAT

智農™
ALPAS

- ✓ Long Endurance
- ✓ Low pollution
- ✓ Multi-purpose
- ✓ New era for a safe and lower-risk agriculture 4.0
- ✓ High Payload
- ✓ Easy to operate
- ✓ Good performance

Basic Specifications

Dimensions	1690*495*700 mm
Main Rotor Diameter	1900 mm
Tail Rotor Diameter	360 mm
Payload Space(W*H)	475*380 mm

Flight Specifications

Maximum Takeoff Weight	30 kg
Weight (w/o payload)	9 kg
Lithium Battery Weight	5-11 kg
Maximum Payload Weight	15 kg
Endurance	50 mins
Dynamic Input Voltage	45V-50V (12S Li-Po)
Voltage	8-12V

Sprayer System

Volume	10 L
Water Pump Power	45 W
Voltage	12V
Boom	2 pieces
Nozzle	4 pieces

Artificial Precision Agriculture Systems

ALPAS, a commercial multifunctional unmanned helicopter, equipped with a single-shaft, high-lift airfoil four-blade, a high-efficiency brushless DC motor, and a large payload space which makes ALPAS a highly performance as designed for executing for precision agriculture mission.

For the main structure, an intelligent AJC auto-pilot system with built-in digital wireless communication module is carried with the vehicle. Along with a robust power management module, ALPAS is allowed to perform fully autonomous intelligent navigation mission. The ground control station, which equipped with a built-in high-performance wireless communication module and proprietary guidance and navigation software, it is able to perform real-time monitoring and control with the carrier.



Multispectral Camera



Aerial Camera



Official Website



GEOSAT FB



DM Download



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智農™ ALPAS

- ✓ 長滯空
- ✓ 高酬載
- ✓ 低汙染
- ✓ 易操作
- ✓ 多功能
- ✓ 性能佳
- ✓ 安全與降低風險的農業4.0時代

載具基本尺寸規格

尺寸	1690*495*700 mm
主旋翼旋轉直徑	1900 mm
尾旋翼旋轉直徑	360 mm
酬載空間(寬*高)	475*380 mm

基本飛行規格

最大起飛重量	30 kg
機體空重	9 kg
搭配電池重量	5~11 kg
最大酬載重量	15 kg
最長滯空時間	50 min
動力輸入電壓	45V~50V (12S Li-Po)
空電電壓	8~12V

農藥噴灑器系統

容量	10 L
水泵功率	45 W
工作電壓	12 V
噴桿	2支
噴嘴	4顆

智慧型精準農業無人機系統 Artificial Precision Agriculture Systems

ALPAS為專業型多功能無人直升機，主旋翼採用4槳式高升力翼型設計，並搭配高效率電動無刷動力系統，加上中置化大酬載空間配置，具有高機動性、多用途、大酬載、低噪音、低振動、長滯空等特點。在全系統配置上，除了機體本身，ALPAS並搭載內建無線數位通訊模組的高智能自動駕駛系統，及高規格的電源管理模組，執行完全自主智能導航飛行任務。地面端則配備內建無線通訊模組高效能的地面控制站，搭配專屬的地面飛行導控軟體，與載具端配合執行及時監控與控制。



多光譜儀



中像幅航拍相機



官方網站



臉書專頁



DM下載



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