



Griflion M9

(Vertical take-off and landing fixed-wing series drone)

The Griflion M9 is a 15kg-class pure electric vertical take-off and landing fixed-wing, adopting the composite aerodynamic layout of quad-rotor and fixed-wing, featuring high stability, long flight time, high maneuverability, and strong adaptability to take-off and landing conditions. The aircraft adopts modularized quick-dismantle design, with a maximum load of 3kg. It can be adapted with various task loads such as ortho camera, tilt camera, single light pod, double light pod, etc., and is widely used in the fields of patrol and investigation, and large-area aerial survey.

Parameters

Type: Composite Wing Droop

Main material: composite material

Packing size: 1665*788*510mm

Maximum size (including blade): 3399*1495*515mm

Fuselage weight: 9.15kg (without battery and mounting)

Unladen weight: 14.25kg

Maximum load weight: 3kg

Endurance: 150min@unloaded;135min@1kg;120min@3kg.

Maximum wind resistance: Level 6 (fixed wing mode)

Chart band: 800Mhz (command vehicle)/1.4Ghz

Encryption mode: AES128

Mapping distance: 30km (50km optional)

Operating Temperature: -20°C~60°C

Operating humidity: 10%~90% non-condensing

Protection grade: IP54

Electromagnetic Interference: 100A/m (magnetic field)

Altitude rise: 5000m

Cruise speed: 19~20m/s

Maximum flight speed: 35m/s

Maximum climbing speed: ≤3m/s

Maximum descent speed: 2.5m/s

Common battery: 30000mah*2

Features

- Fully autonomous take-off and landing flight, with wide range of site adaptability and strong maneuverability.
- The mission payload is designed to be detachable and quickly replaceable, supporting the use of single/dual-optical tracking pods, mapping cameras, LIDAR and other payloads.
- The whole machine is designed for quick-disassembly and plugging, industrial-grade plugs are stable and reliable, tool-free assembly by bare hands, and rapid deployment by a single person in 3 minutes.