Griflion M10
(Vertical take-off and landing fixed-wing series drone)

Griflion M10 is a medium-sized composite vertical take-off and landing fixed wing, the flight platform adopts quick-disassembly design, which can be quickly assembled and deployed without tools, the streamlined fuselage and V-shaped tail design, the flight is stable and reliable, the endurance is up to 150 minutes, and the mission load is up to 10kg, which supports all kinds of industry loads and mission pods. M10 is characterized by high automation, long endurance, stable flight time, and high operational efficiency. M10 can be equipped with LIDAR, photoelectric pods and other widely used in high-precision mapping and inspection tasks.

Parameters ◻

Type: Composite Wing Droop

Main material: composite material

Packing size: (box 1) 1550*630*770mm; (box 2): 1060*550*630mm

Maximum size (including blades): 3964*1916*791mm

Fuselage weight: 18kg (without battery and mounting)

Unladen weight: 27.8kg

Maximum loaded weight: 10kg

Endurance: 150min@unloaded; 140min@1kg; 125min@5kg
          110min@8kg; 100min@10kg

Maximum wind resistance: Level 7 (fixed wing mode)

Frequency band: 1.4Ghz&450Mhz

Encryption mode: AES128

Mapping distance: 80km

Operating temperature: -20℃~60℃

Working humidity: 10%~90% without condensation

Protection level: IP54

Electromagnetic Interference: 100A/m

(Industrial Frequency Magnetic Field)

Altitude rise: 4500m

Cruise speed: 23m/s

Maximum flight speed: 35~40m/s

Maximum climbing speed: ≤3m/s

Maximum descent speed: ≤2.5m/s

Common battery: 30000mah*4

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-optical/dual-optical tracking/three-optical pods and other payload requirements.
- The whole machine is designed for quick-disassembly and plugging, and the industrial-grade plugs are stable and reliable, and can be assembled by hand without tools, and deployed quickly by a single person in 3 minutes.