

GRIFLION M8

Multi-Rotor \ Fixed Wing VTOL \ 150-Minute Flight Time



INTRODUCTION

Griflion M8 is a vertical take-off and landing (VTOL) fixed-wing UAV with the V-shape tail which is made of composite material. Griflion M8 is capable of long-distance cruise flying, features long duration time, fast cruising speed, and high working efficiency, etc. Griflion M8 is compatible with the orthographic camera, the oblique camera, and electro-optical pod to run a high precision surveying or patrol mission.

KEY FEATURES



Fiber Carbon & Composite Material——Lightweight body but Solid Structure



VTOL & Horizontal Fly——Different Take-Off Sites



Multiple Payload Compatibility——One UAV for Different Tasks

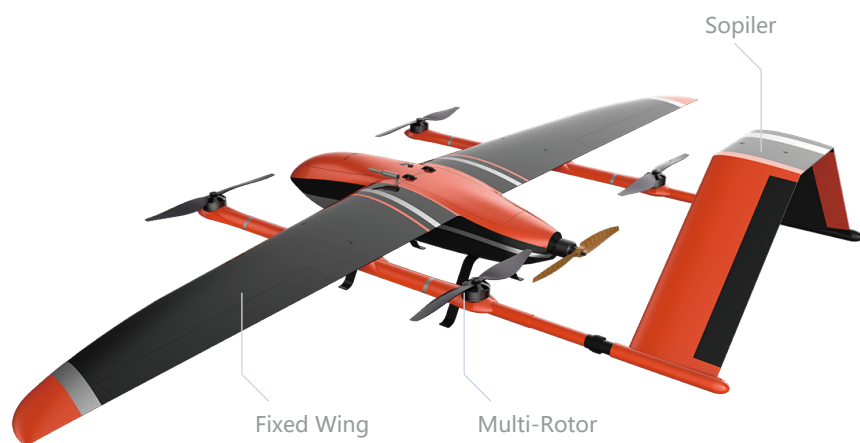


200KM Flight Distance——Ensure Enough Task Time

RTK

RTK/PPK Mode——Precise Take-off and Landing

SPECIFICATIONS



Basic

| | |
|--------------------------|-------------------------------------|
| Model | Griffion M8 |
| Takeoff and landing type | VTOL |
| Body material | Carbon fiber and composite material |
| Wingspan/body length | 2500mm/1486mm |
| Net weight | 5.5kg |

Performance

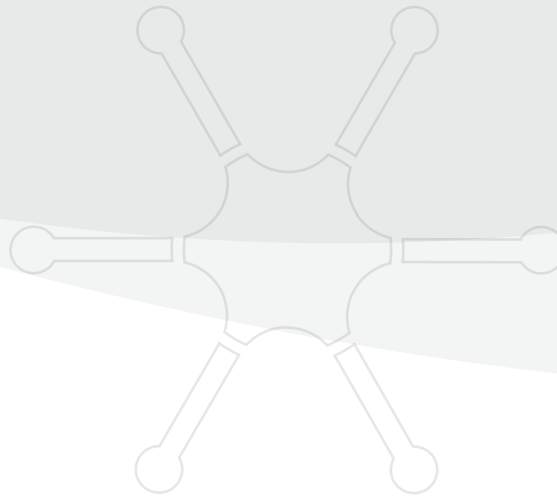
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|--------------------------|---|
| Max. Takeoff weight | 12kg |
| Max. Payload weight | 1~2kg |
| Max. Climb speed | 7m/s |
| Efficiency cruise speed | 90 Km/h |
| Max. Flight speed | 126 Km/h |
| Flight time | 150min |
| Max. Flight distance | 200km |
| Control radius | 15km |
| Max. Altitude AMSL | 5000m |
| VTOL switch altitude | 120m |
| Positioning accuracy | 1cm±1ppm |
| Positioning system | RTK+PPK |
| RTK/PPK update frequency | 5Hz, Up to 100Hz |
| Others | Auto takeoff and landing, autopilot, the black box function |

Transport

| | |
|------------------------|------------------------------|
| Drone assemble time | 5min (by a single operator) |
| Drone disassemble time | 10min (by a single operator) |

Environment

| | |
|----------------------|-----------|
| Max. Wind resistance | 12 m/s |
| Working temperature | -20~60 °C |
| IP level | IP56 |



Contact

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