

Hybrid VTOL



EagleElectronics
Aviation
Manufacturing | Services | Training



www.eagletronicsindia.com

About Hybrid VTOL UAV

Hybrid VTOL is a small category vertical takeoff and landing fixed wing, which inherits the safe and practical qualities of UAVs. It adopts a classic aerodynamic layout, a redundant backup avionics system, and the whole aircraft supports tool-less quick disassembly, and has undergone 500+ takeoff and landing durability tests and 4000+ altitude plateau low temperature tests.

<5 cm

Absolute X, Y Accuracy
at 120 m AGL

<15

Absolute Z Accuracy
at 120 m AGL

1.5 Sq Km

Area Coverage
at 120 m AGL



80%

Reduction in Surveying
& Mapping Time



60%

Reduction in Surveying
& Mapping cost



Payload

Max. payload: 1kg
Max. takeoff weight: 7.5kg

Payload

The combination of mapping payload is a powerhouse in itself. It delivers accuracy that has never been seen before in this class.



20 Megapixel Camera



Storage (Expandable upto 128GB)

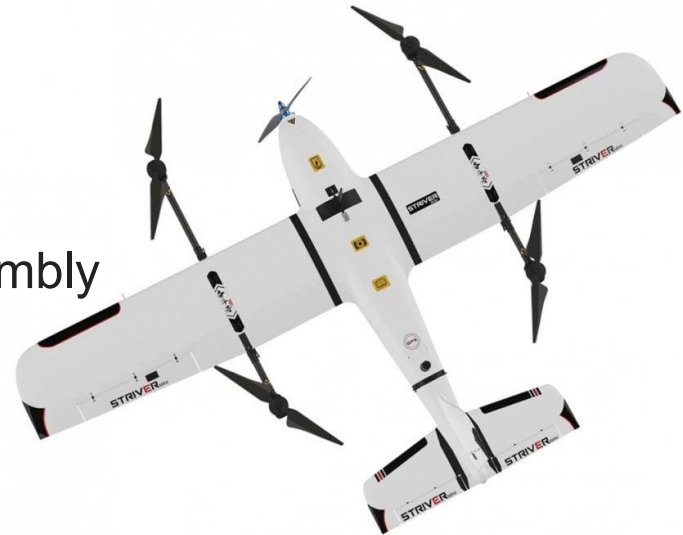


APS-C CMOS Sony Sensor



Basic Parameters

- Material: EPO, EVA, carbon fiber, engineering plastics, etc.
- Wingspan: 2100mm
- VTOL arm: 744mm
- Fuselage height: 156mm (without foot pads)
- Fuselage length: 1200mm
- Wing area: 59dm²
- Disassembly method: tool-less quick disassembly
- Load compartment size: 180×150×110mm
- Transport box size: 1.07m×0.35m×0.48m



Applications

The “Hybrid VTOL” UAV has a very well tuned software and hardware , strong build quality, low weight and easy portability, makes it usable in various application.



Mining Site planning



Roadway Corridor Mapping



Construction Site Planning & Monitoring



Natural Disaster Monitoring



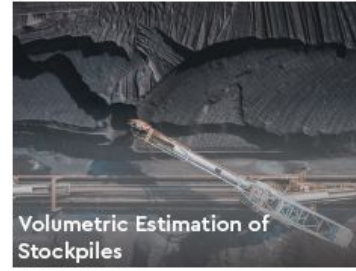
Land Surveying & Mapping



Railway Corridor Mapping



Forest And Wildlife Monitoring



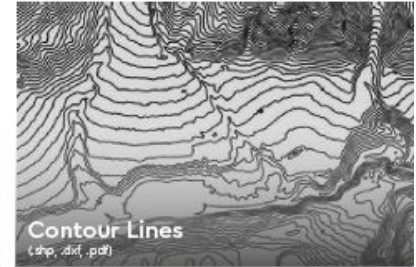
Volumetric Estimation of Stockpiles



Urban Planning

Outputs of Drone Surveying

Our highly accurate drone surveying outputs are helping customers across various sectors such as Roadway & Railway expansion (Corridor Mapping), Mining, Oil & Gas, Manufacturing, Industrial, Disaster Management and many more and also helps to build their businesses to a great height.





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