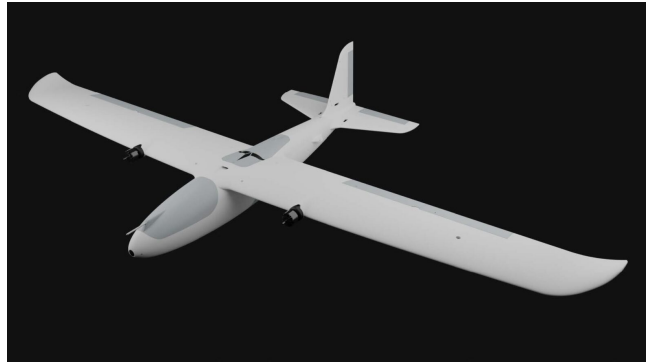




Titan Dynamics Falcon V2 3D Printed UAV User Manual

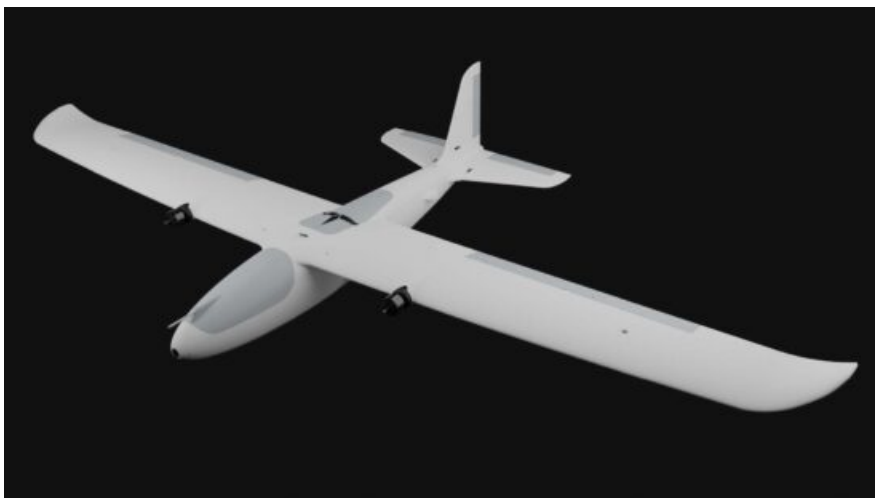
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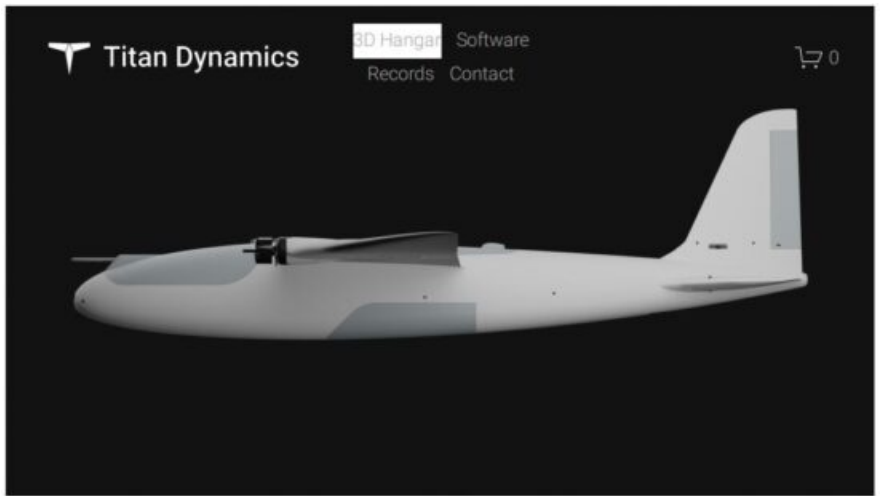
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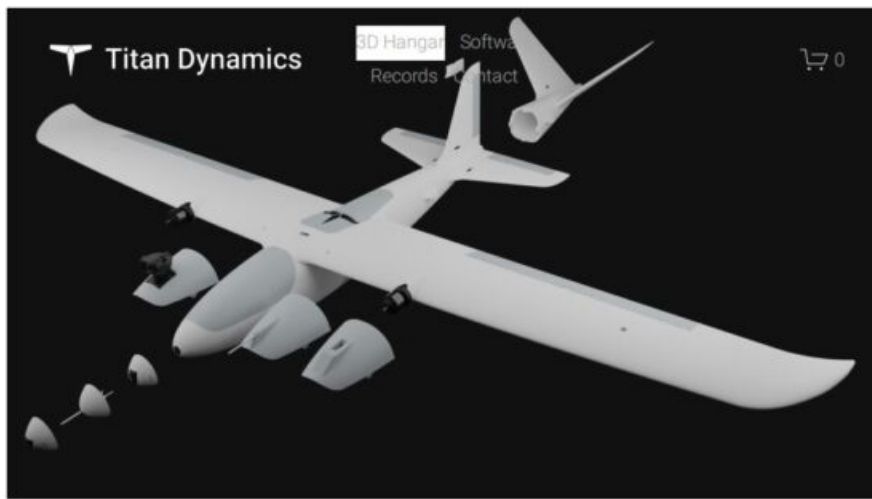
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Titan Dynamics Falcon V2 3D Printed UAV User Manual







The Titan Falcon V2 is our new flagship UAV – designed to be a ruthlessly effective workhorse sculpted from hundreds of iterations in CFD. It was designed from the ground up to be modular, easily repairable, and highly adaptive to your needs. Featuring a swappable nose, tail and payload bay, Falcon V2 is ready for any application. A multitude of canopy and camera/antenna mounting options open any and all possibilities. Long range is in our DNA, and it was directly infused into every design decision during the development of the Falcon V2. A strong focus was placed on structural integrity, evident in its spar layout as well as clever tricks built into the STLs to increase strength where most desired. Prior to release the airframe has been flown over 1000km in total, and it currently holds the record for longest distance covered in flight for 3D printed aircraft: 300.4km with a flight time of 5 hours and 7.5 minutes – and there's more left to squeeze if you dare!

[Download the user manual here](#)

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[Download the user manual here](#)

Conventional tail





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3D Hangar
Records



Software
Contact

V-Tail



Optional parts for mounting a camera or other equipment to the top of the V-Stab.
Also includes antenna mounting options on the tail for both tail types.



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3D Hangar Software
Records Contact



Modularity of the Falcon V2:

Nose, Fuselage, Canopy, Hatch, Payload Bay, and Tail are all modular!



Modular tail up-close. Each individual stab is removable as well



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3D Hangar

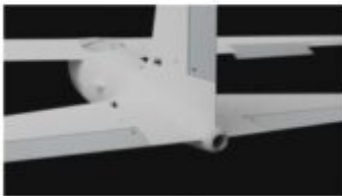
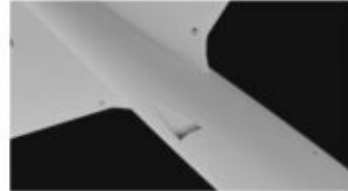
Records

Software

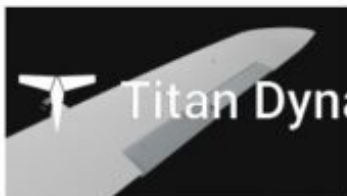
Contact



Precisely engineered ventilation allows for cooling internal components with minimal added drag to the airframe. Featuring NACA ducts placed at ideal locations + an exit hole at the low pressure zone behind the tail



Control surfaces on the wing feature a built-in retaining tab (not a separate print) to ensure no flex on the hinge



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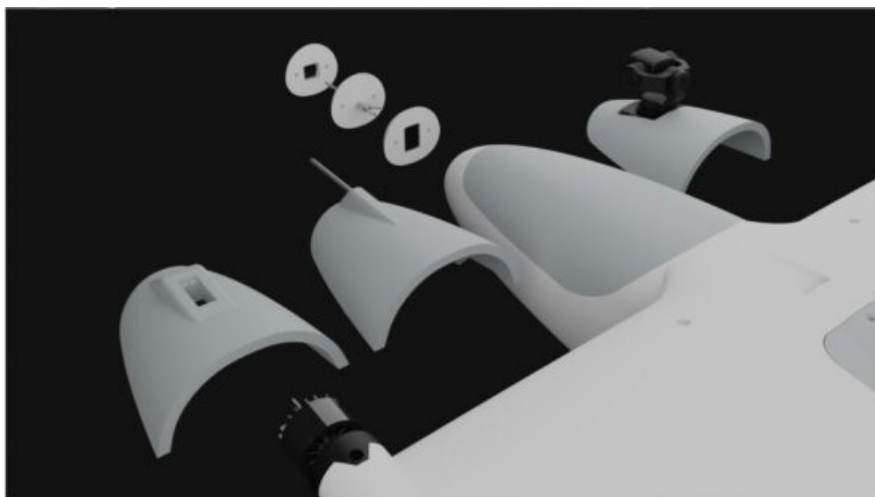
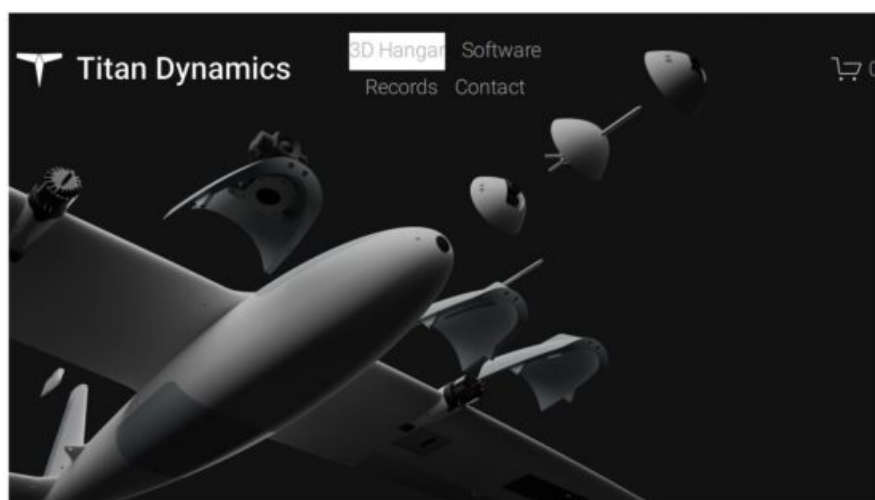
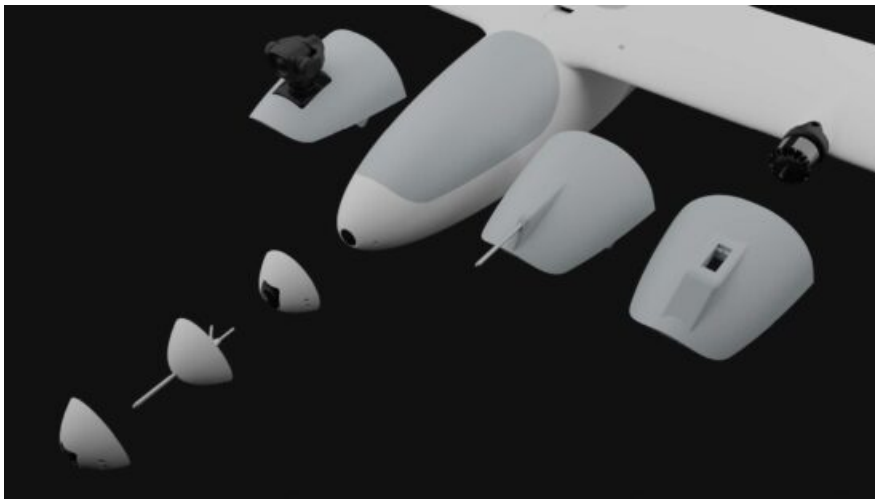
3D Hangar

Records



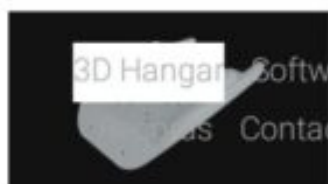
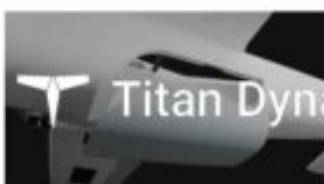
Noses and Canopies

- DJI, Walksnail, Analog supported
- Pitot tube mounting on nose or canopy
- SIYI A8 mountable canopy
- Pan/Tilt mountable canopy

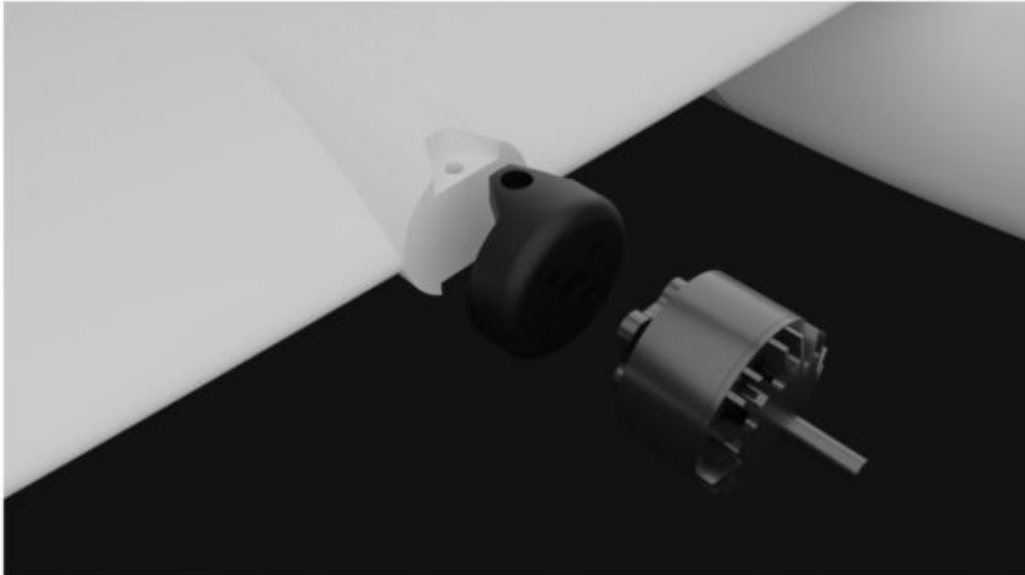


Modular Payload Bay

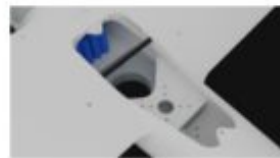
Many variants, including a blank and mapping camera hole



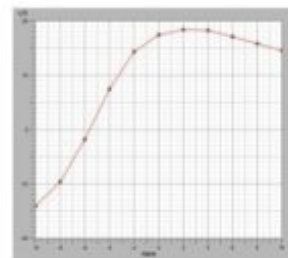
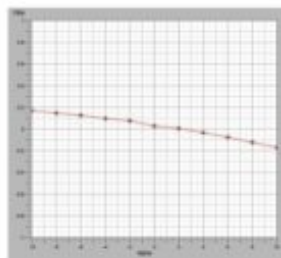
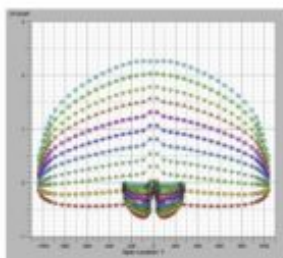
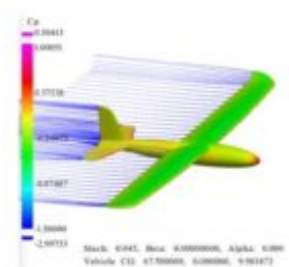
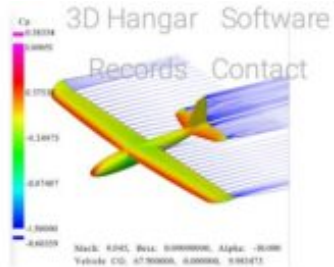
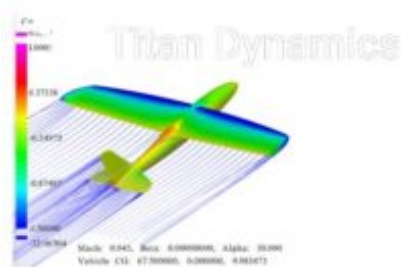
Updated reinforced nacelle mounting. Strong enough to withstand a few prop strikes on the ground

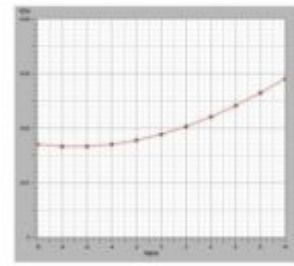
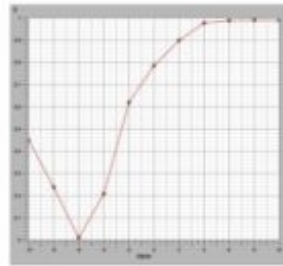
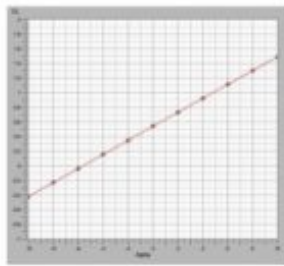


Different variants of fuse3 that allow for having either fixed or removable shelf to mount your electronics



Aerodynamic Visualizations and Statistics





Real-Life Images and Videos





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3D Hangar Software

Downloads Contact





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