

DoS Introduction



- Integrated 10 degrees of freedom sensor
- Support GPS module , Support Multiple platform application
- Support 3D mode flight , Support Auto Stabilized Mode
- Support Fixed altitude and Heading lock flight , Support Auto Return To Launch

DoS is an aeromodelling balancing instrument which is designed to applied for a variety of platforms, it is aimed specially at beginners, in order to improve their flying skills, flight safety and flight operation. Not only it achieves auto-stabilization flight and 3D flight, but also achieves automatic pilot when it is connected with GPS module. Using DoS stabilizer, you can improve your own flight level quickly, enjoy your flight in the air, it helps you to reduce the possibility of losing and crashing plane.

- DoS adopted the new integrated sensor; more compact, higher stability

- Integrated 10 degrees of freedom sensor

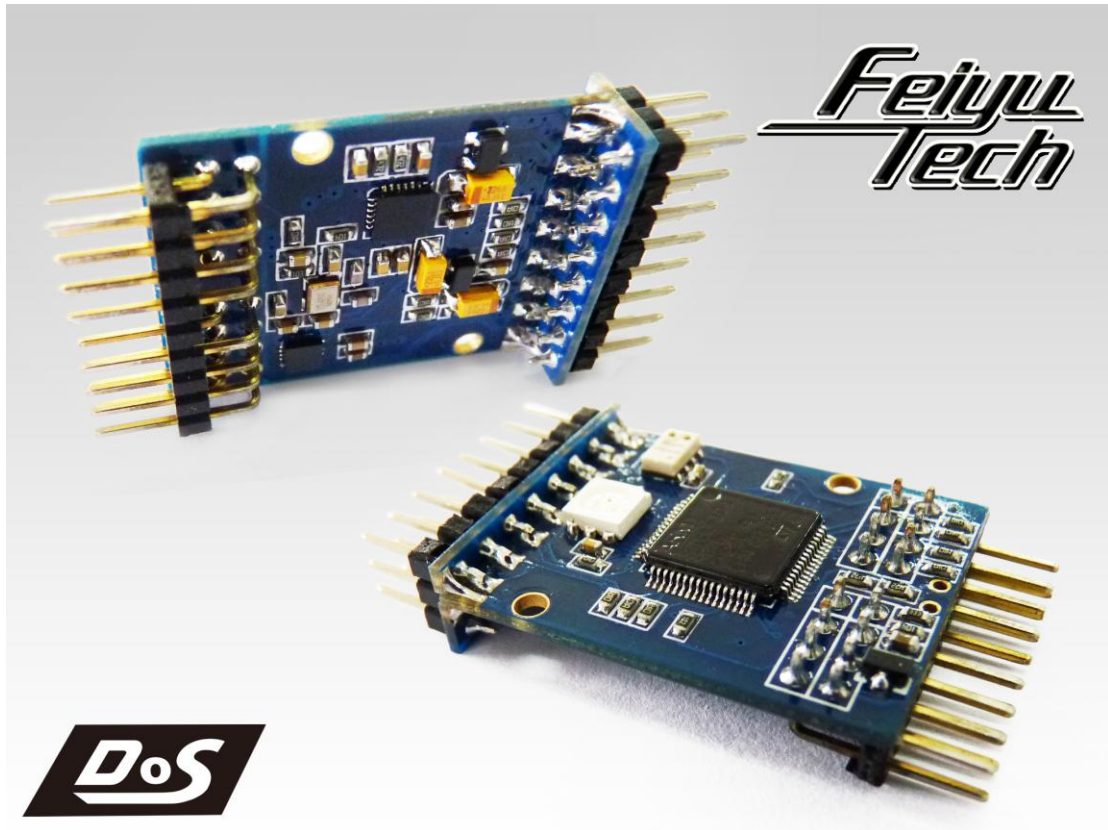
Including:

three-axis digital accelerometer

three-axis digital gyroscope

three-axis digital magnetometer

high-accuracy barometer



The circuit board adopted military materials 4 layer plate, in order to strengthen adsorption capacity, the welding spot use "heavy gold" process, The servo interface panel use support structure similar to JR receiver, more reliable and impact resistance.

Every circuit board will be tested through Vibration platform before leave factory, as well as Low and high temperature test, Conformal coating will be painted on its surface to prevent severe environment.

DoS standard edition is made of Aluminum for its shell, not only appearance has the good sense but also act as an electromagnetic shielding effect, And appropriately increase its weight can effectively reduce the vibration influence after installation.

We adapted the newest designed frame in program design; it is much more concise and reasonable, making improvement at the Sensor filtering aspect, Effective filtering high frequency vibration, optimize the attitude algorithm, magnetic field correction algorithm, etc., more rapid and simple, performance gets further improved.

There are 6 servos input channels and 8 servos output channels in the interface of DoS, GPS module interface, and data radio interface can be connected to FeiYu ground station software (GCS) and OSD module, to expand and meet the future application of fixed wing airplane and multi-rotor copter etc. it supports Fixed

altitude and Heading lock flight and circling flight in the case of no GPS.



Functions could be set through software:

1. Manual Mode
2. 3D Mode
3. Auto Stabilized Mode
4. Fixed altitude and Heading lock flight Mode
5. Auto Return To Launch Mode
6. Auto Circling Mode
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DoS software and hardware are good performance in expansibility, it supports firmware upgrade, along with the new released firmware, it will gradually bright us all kinds of amazing functions.

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