The OWL-M350 parachute has been upgraded again. The OWL-350 has a new APS 3.0 intelligent parachute opening algorithm, which deeply integrates DJI flight platform sensor data to provide all-round three-dimensional situational awareness, safe flight companionship, and worry-free operation. Work together to protect airspace security and promote the development of the drone industry.

APS 3.0 Parachute opening algorithm
After accumulating algorithms from the first two generations, we have used DJIM350 drones equipped with parachutes to conduct hundreds of actual flight tests. Through continuous optimization of iterative algorithms, the parachutes have stronger situational awareness capabilities, and APS3.0 came into being.

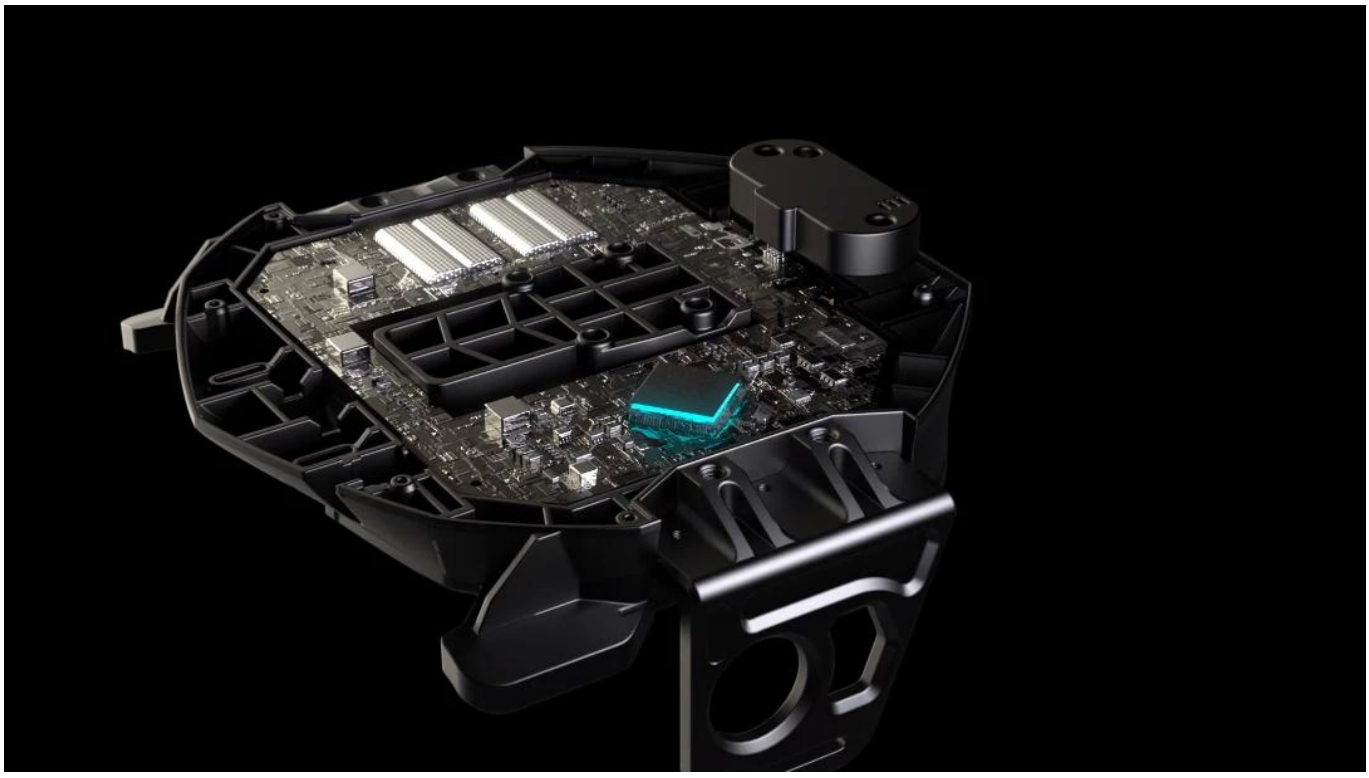
The APS3.0 system connects to the aircraft through the DJI PSDK interface, and is equipped with dual sensors built into the parachute. The parachute aircraft data is collected to comprehensively judge the flight attitude. The APS 3.0 parachute opening scoring algorithm has been optimized to increase sensor accuracy by 30%. UAV sensor data can be integrated to quickly determine the time to start a business. When a crisis occurs: millisecond power outage-stop propeller-open parachute.

The power-off function is to cut off the connection between the motor and the power supply through the DJI flight control software to achieve the purpose of stopping.

Safety and redundancy guarantee - never-ending data collection
The OWI-M350 parachute sensor adopts a redundant design to cope with various complex operating environments. When one set of sensors fails, another set of sensors can seamlessly replace the data link at the same time, so that the parachute can continue to accurately identify the flight status of the drone and ensure the safety of the drone.

Top umbrella opening algorithm logic
The OWL-350 parachute is upgraded to the APS 3.0 parachute opening algorithm, which integrates DJI drone flight sensor data to accurately identify - falling, speeding, rolling, spinning, impact, blade vibration, etc., and accurately determines the drone through the central processor In the event of loss of control, choose the best time to stop the paddle and open the umbrella to protect the safety of personnel and property.

The flyfire central processor adopts industrial-grade chips, which is stable and reliable.



Keep informed of work status at any time

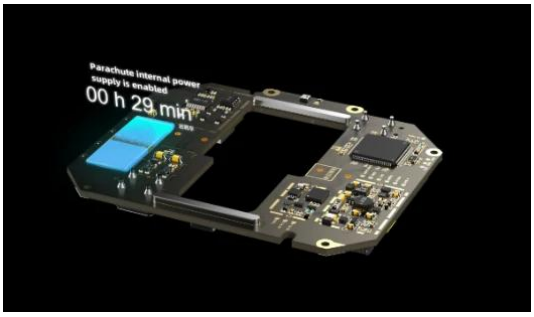
When the OWL-M350 parachute is used with a drone, the pilot can directly learn the current working status of the parachute by observing the parachute indicator light, which is divided into ground stationary mode, ascending mode, and alert mode.

Static mode: green light is always on, parachute is normal, waiting to take off

Ascent mode: green light flashes, parachute is normal, altitude is rising

Alert mode: Purple is always on, the parachute automatically opens and the parachute is on alert.

The warning height is 15 meters and above. The umbrella will not be opened below the warning height. The height below 15 meters does not ensure that the umbrella cloth is fully deployed to achieve the ideal slow-fall effect.



Safety and redundancy guarantee - never-ending data collection
The OWI-M350 parachute sensor adopts a redundant design to cope with various complex operating environments. When one set of sensors fails, another set of sensors can seamlessly replace the data link at the same time, so that the parachute can continue to accurately identify the flight status of the drone and ensure the safety of the drone.
Top umbrella opening algorithm logic
The OWL-350 parachute is upgraded to the APS 3.0 parachute opening algorithm, which integrates DJI drone flight sensor data to accurately identify - falling, speeding, rolling, spinning, impact, blade vibration, etc., and accurately determines the drone through the central processor In the event of loss of control, choose the best time to stop the paddle and open the umbrella to protect the safety of personnel and property.

The APS3.0 system connects to the aircraft through the DJI PSDK interface, and is equipped with dual sensors built into the parachute. The parachute aircraft data is collected to comprehensively judge the flight attitude. The APS 3.0 parachute opening scoring algorithm has been optimized to increase sensor accuracy by 30%. UAV sensor data can be integrated to quickly determine the time to start a business. When a crisis occurs: millisecond power outage-stop propeller-open parachute.