Flyfire.

OWL

Flyfire.

Flyfire industry class UAV parachute solution

With the synchronous development of modern aviation and safety awareness, owl came into being. It has enhanced attitude perception and dual link parachute opening, up to 2 years of maintenance free. Firefly technology - creates a new flagship of industry-class UAV (flight safety) parachute.

QUICK INSTALLATION SYSTEM

CORE SENSOR DUAL BACKUP

AERODYNAMIC DESIGN

MAINTENANCE-FREE FOR 2 YEARS

DUAL LINK OPEN UMBRELLA

IP X5

ONLINE UPGRADE

SAFETY CERTIFICATION GUARANTEE

The descent speed of the new generation of industry-class UAV parachute OWL is only 3.5m/s to protect the safety of ground personnel and property. Equipped with Flyfire APS safety algorithm, the danger response time is as low as 0.5s. Accurate response,

3.5 m/s terminal deceleration **0.5** s parachute opening reaction **≤7** Grade 7 wind resistance

3.5m/s is the average deceleration measured for many times under 9 kg load.

Dual redundant sensors, reliability multiplication

Insight into all navigation tracks. Built in dual redundant sensors, cooperate with firefly 2.0 safety algorithm. Dual data intelligent linkage, safe and reliable, escort for flight.

Real time data sharing with M300

The real-time flight attitude data of DJI M300 is loaded into the owl control terminal through the OSDK interface. The data is shared between the two sides, and the parachute opening time is integrated in multiple dimensions to ensure operation safety

Open the parachute flexibly and leave no mistakes

Thanks to the dual control mode of manual parachute opening and automatic parachute opening, in an emergency, flight operators can directly skip the owl automatic parachute opening system and open the parachute manually to reduce risks and ensure safety.

Open the parachute to warn and drive pedestrians off the ground

In order to ensure the safety of pedestrians on the ground, owl is equipped with double buzzers, which continuously output 100dB warning sound during forced landing to drive away pedestrians on the ground and improve the safety of forced landing.

Closed umbrella cabin, 2 years maintenance free

Owl has a fully enclosed umbrella cabin structure and ipx5 protection of the whole machine, which is not afraid of dust and rain erosion. The umbrella cabin state detection system continuously detects the internal temperature and humidity of the umbrella cabin for 24 hours, and gives early warning in case of poor state, so that there are no hidden dangers in flight

Cloud maintenance and online upgrade

Firefly technology promises to provide more professional product after-sales service for every consumer who buys owl. In terms of software, engineers constantly optimize the algorithm, upload the firmware installation package to firefly cloud, and users can upgrade the latest software for owl with one click.

Three steps to get on the stage

Step 1:
Insert the OSDK cable
On the osdk interface of M300

Step 2:
buckle the umbrella cabin into the M300 back positioning hole.

Step 3:
Lock the self-locking buckle of the umbrella compartment fixing belt to the bottom hanger.

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DJI M300 Use scenario of OWL parachute with Flyfire technology

OWL

Adaptive model	Matrice 300
Weight	800g(Including metal hanger and parachute cabin)
Volume	19dm^2
Umbrella cloth area	7.29m^2
Mini open height	20m (More than 20m the automatic opening function of the parachute is activated)
Standard load	9KG (Deceleration at 3-4m/s)
Max load	9KG （More than 9kg may cause damage to the parachute structure）
Waterproof grade	IP45
Working Temperature	-20℃~50℃
Working altitude	≤3500m
Reaction time	500ms~700ms
Wind resistance grade	Level 7

OWL Specifications and parameters of remote controller

working frequency	430-432Mhz\433-434.79Mhz
Max omnidirectional signal distance (no interference, occlusion)	SRRC standard：320m
Transmit power	10mW
Input interface	Type-C

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http://www.xflyfire.com

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