

PORTABLE EMERGENCY LIGHTING TETHERED UAV

SUSTAINABLE OPERATION FOR MORE THAN 24 HOURS



1. Long Endurance

The extra-long power supply can realize the emergency lighting of UAV in the air for ≥ 24 hours, with wider coverage and higher brightness. In case of abnormal interruption of tethered power supply, it can automatically switch the power supply of UAV and still land normally;

2. Large Lighting Area

The total power of four groups of lighting can reach up to 600W, equipped with 50 meters of automatic retracting and releasing cable, and the effective lighting coverage area $\geq 4000\text{m}^2$

3. Superior Performance

Parameters of single lamp group: input voltage 20-50v, maximum power 150W, weight 150g, overheat protection temperature 125°

4. Good Wind-resistance

The system protection can withstand the wind number $\geq 10\text{m/s}$ (level 5 wind). The bearing is designed to prevent water ingress and corrosion, and the safety and waterproof grade is IP54



Features of complete machine

Easy to operate, easy to carry:

High integration, small size, no need for installation, no need for professional pilots, can be started in about 5 minutes.

Real-time transmission anytime and anywhere:

Equipped with high-definition video camera, which can transmit the background in real time through the video equipment, and know the scene situation at any time.

Wide application and strong ability:

It can work in complex mountains and dangerous waters without traffic conditions in the field; The wind resistance index of the system is $\geq 10/s$ (level 5 wind), and the waterproof grade is IP54, which can adapt to changeable weather.



A

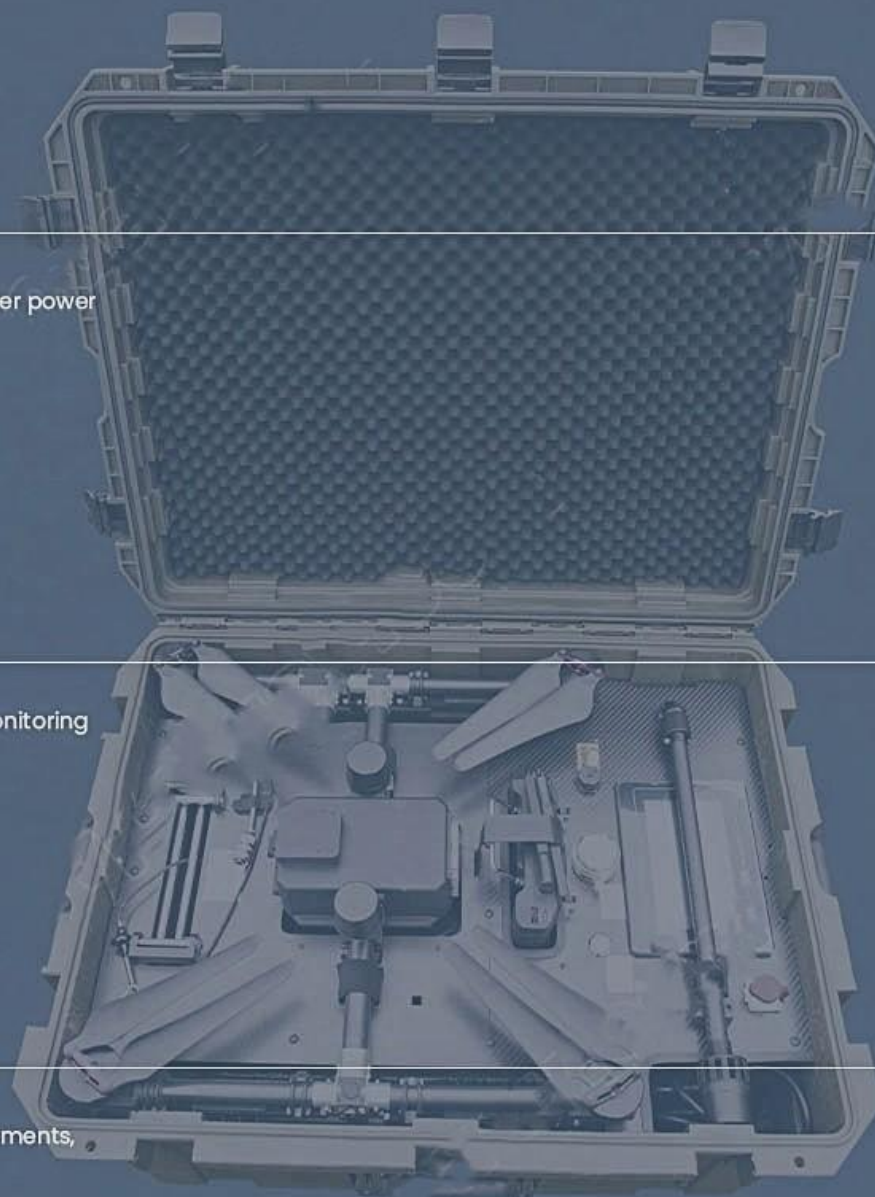
Support **one-button** takeoff and landing, automatic landing after power failure, and automatic retraction and release of cables;

B

In addition to standard lightbox, various Payloads can be installed for monitoring and reconnaissance;

C

Open **customization:** for users with special functional requirements, customization can be provided according to user needs





High altitude lighting itiner

High brightness, mobile operation:

800W/100000 LM analog solar light source does not interfere with the operation of ground crew, equipped with 50m automatic retractable cable, which can be used for mobile lighting at any time.

Wide lighting range and long operation time:

The best lighting range is 4500m², The maximum lighting range is 6000m²; Sustainable working time ≥ 12 hours.

Shout from high altitude

Loud voice, long cycle playback:

130 decibels of loud volume, 5 hours of uninterrupted talkback, and 2 hours of uninterrupted TF card cycle playback.

Wide range, adjustable frequency band:

3km transmission range, adjustable multi-channel, anti-jamming, anti-crosstalk.

Communication relay

Wide range, long time coverage:

2.5 km - 5 km relay range, ≥ 24 hours of uninterrupted signal coverage



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