⊕-survey

eDrone Air

PORTABLE VISUAL INTELLIGENCE AI DRONE

The eSurvey eDrone air is a portable multi-rotor drone with a strong power system design, a more comprehensive industry application load, and a long battery life. It adopts industry-leading intelligent octa-core chips, with a total computing power of 21T, and has powerful visual intelligent AI recognition capabilities, which can realize cloud-edge-end collaborative operation. Streamlined body design, compact and portable, powerful performance.

UAV

Easy Connect: Satellite Communication

It has the capability of direct satellite communication, which can realize message communication in the area without the coverage of ground communication network, break the limitation of traditional communication methods, solve the emergency communication problem in the scenario without network, and provide a strong communication guarantee for sea navigation, field exploration, disaster rescue and so on.

Visual Navigation for Indoor Inspection

The UAV is based on indoor autonomous inspection technology and has the ability to fly autonomous routes in indoor scenarios without GNSS signals such as substations and warehouses.

5G Signal, 4K Live Streaming

5G link can achieve ultra-clear live streaming. Across the data link restrictions, it can also ensure that business is not interrupted, the status is visible, and the equipment is controllable in the interference environment, providing a new solution for traffic dredging, security inspection, emergency rescue, traffic logistics and other scenarios.

AI Recognition System

Multi-sensor intelligent linkage can realize real-time automatic target recognition, image following and edge recognition, achieving efficient operation and accurate data collection at the same time.

Visual Aid for Safe Return

It can accurately detect obstacles within the target range, and can automatically return to home when the positioning signal is weakened or lost. Excellent obstacle avoidance capabilities bring a reliable flight experience, and can flexibly cope with complex environments and various operating scenarios.

Multi payloads, multi-scenario Application

It has multiple loads such as dual-sensor, trio-sensor, quadra-sensor cameras, megaphones, searchlights, AI boxes, etc. to meet the complex operation requirements of multi-task scenarios.

Website & Social media

Product Specification

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Product Parameter	
Type	Quadcopter with 4 propellers
Symmetrical motor wheelbase	<486mm
Weight	1750g
Max. takeoff weight	2050g
Max. flight time	45min
Max. ascent speed	8m/s
Max. wind resistance level	Level 6（wind speed 10.8-13.8 m/s）
Max. takeoff altitude	6000m
Communication distance	▪ 15km（FCC） ▪ 8km（CE/SRRC/MIC）
Wide-angle visible light lens	1/1.49inch CMOS, Effective pixel:50MP
Telephoto visible light lens	1/2inch CMOS, Effective pixel:48MP, Optical zoom: 10X, Max hybrid zoom:160X
IP Level	IP43
Hovering accuracy（Vision positioning）	Horizontal: ±0.3m（vision positioning on）
Hovering accuracy（RTK）	▪ Vertical: 1.5cm + 1ppm ▪ Horizontal: 1 cm + 1ppm

Product Parameter	
video transmission range	15km（Flying at an altitude of 200 meters without any interference）
Omnidirectional barrier avoidance	Obstacle perception range（Buildings, trees, utility poles, towers over 10m）Front:0.7m~40m（80m max detectable distance for large metal objects) Left&right:0.6m~30m（40m max detectable distance for large metal objects）Up&down&back:0.6m~25m Work environment: rich texture on the surface, sufficient lighting conditions（>15lux, indoor fluorescent light normal illuminate）
AI function	Target inspection, follow, recognition
Flight safety	ADS-B function, Can sense surrounding civil aviation aircraft information for evasion