

INTELLIGENT LOGISTICS DRONE SYSTEM

THE LEADER OF INTELLIGENT INDUSTRIAL UAS

Intelligent logistics drone system

EFYI Intelligent logistics drone system includes automatic hangar "Unihangar", drones "Unidelta" and "Unilark D6", and BAS cloud platform. Users can deploy hangars and drones near the mission area, remotely control drones to take off and landing automatically, and continuously perform logistics and transportation tasks which realize "unmanned" intelligent distribution mode with rapid response . UAVs can also relay flying between multiple hangars, thereby effectively expanding the logistics range.

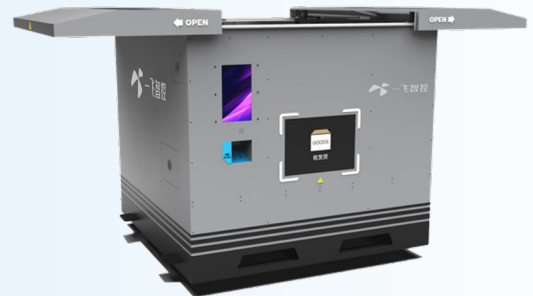
Intelligent logistics drone system



Logistic drone— UnilarkD6



Logistic drone—Unidelta



Automatic hangar—Unihangar

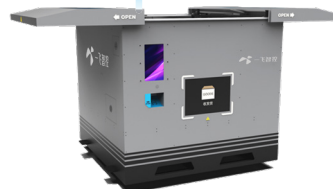
System Introduction

One-stop logistics solution



Flight platform

Auto flight control
Continuously work



Automatic hangar

Extended flight time
Smart sending and receiving
of drones



Software system

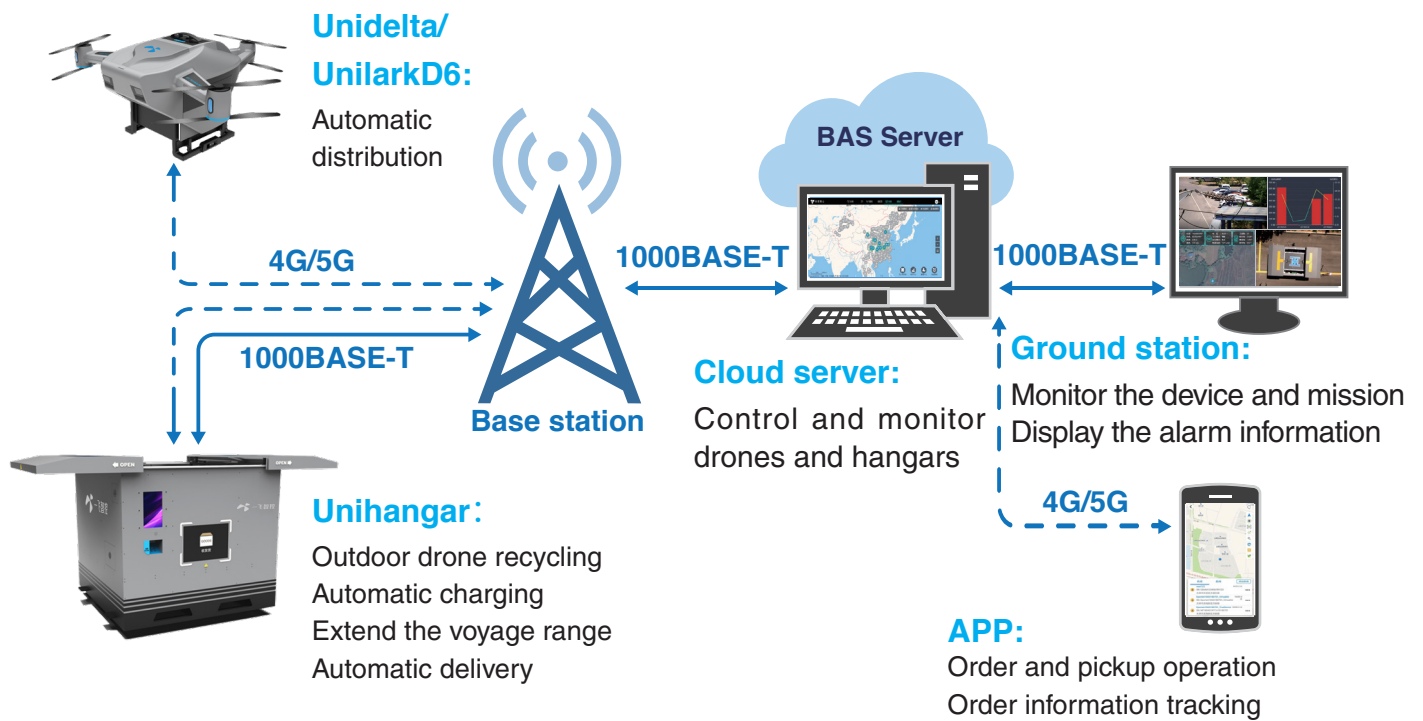
Remote control
Data analysis



After-sales service

Professional maintenance
Real-time response

System topology



Product features



Autonomous



Extended flight time



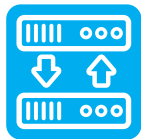
Fast response



24 hours



Rainproof and dustproof



**Redundant design
Safety and reliable**

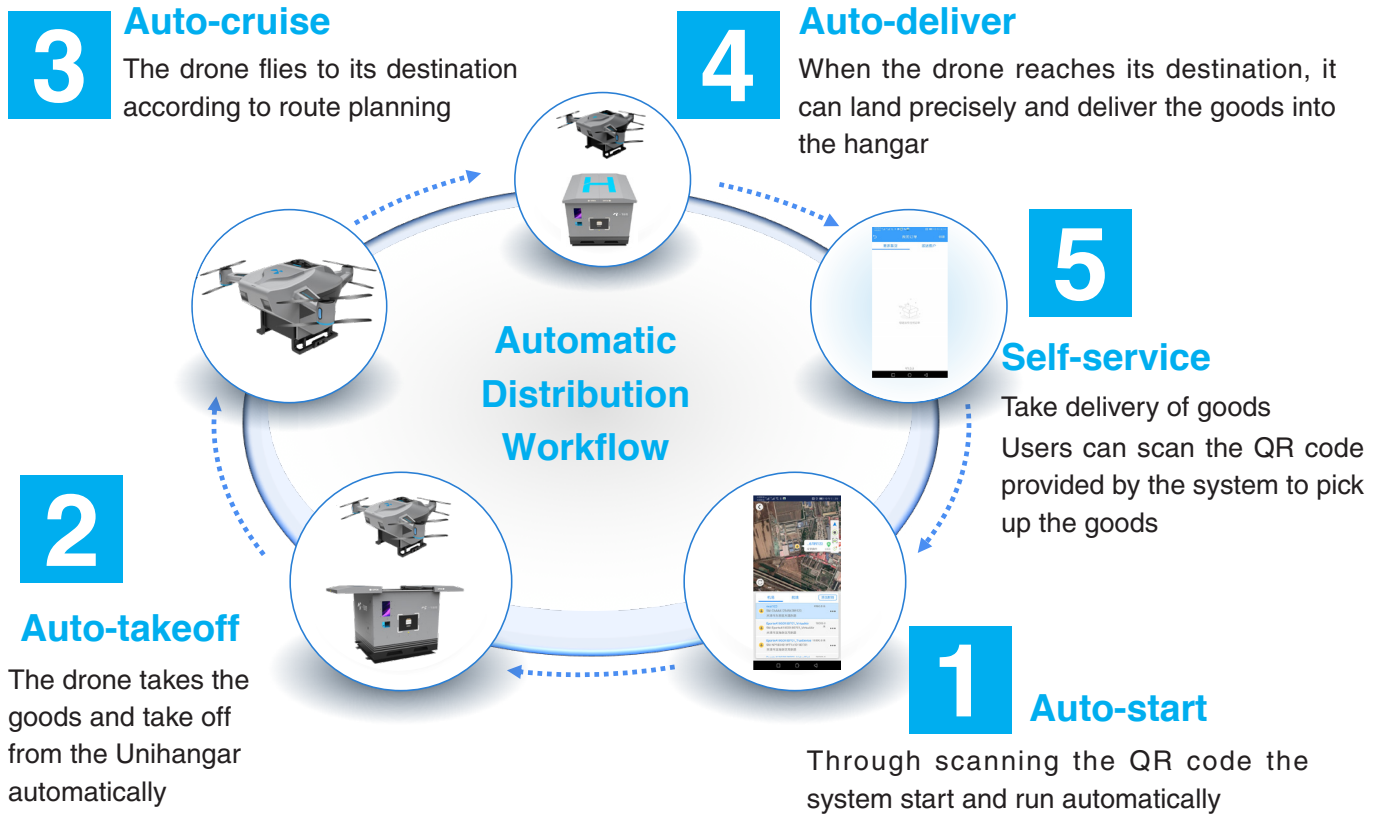


**Cloud management
Remote monitoring**



**Function expansion
The last step of Logistics**

Work procedure



Security & reliable

Redundant design



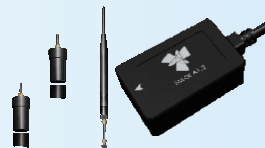
Redundant satellite navigation system

RTK & GPS module



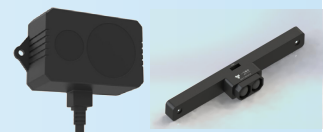
Redundant communication link

4G & Data link module



Redundant directional system

RTK & Magnetic compass module



Redundant landing guidance

Laser & visual module

Security design



Emergency parachute



Propeller failure protection

Product parameters

Logistics drone Unilark D6



Versatility:

Arm detachable, foot frame and load replaceable

Precision:

Centimeter-level high precision positioning

Flexible:

Manual and Unmanned loading and unloading

Redundancy:

Redundant satellite navigation system

Redundant directional module

Redundant drone landing guidance sensor

Size	1.8m*1.8m*0.51m
Maximum load	8kg
Maximum flight distance	20km
Wind resistance	Level-5
Protection grade	IP54
Maximum take-off weight	21kg
Maximum endurance	30min
Case size	customizable
Maximum speed	18m/s
Position precision	±15cm
Compatible casting	customizable

Logistics drone Unidelta



Specialization:

Integrated intelligent cargo compartment

Compatible with manual and unmanned loading

Intelligent:

Intelligent monitoring of ESC motor status, battery status, intelligent positioning of blade position, and automatic charging with the automatic hangar

Precision:

Centimeter-level precision positioning

Redundancy:

Redundant satellite navigation system

Redundant directional module

Redundant drone landing guidance sensor

Size	1.4m*1.4m*0.63m
Maximum load	5kg
Maximum flight distance	10km
Wind resistance	Level-5
Protection grade	IP54
Maximum take-off weight	23kg
Maximum endurance	20min
Case size	350*350*250mm
Maximum speed	12m/s
Position precision	±15cm
Compatible casting	Support

Automatic hangar Unihangar



Intelligent:

Automatic planning of flight missions, real-time return of information

Safety:

Automatically sense the environment and specify flight strategy

Expandability:

Though add the unihangar to extend drone flight range

Compatibility:

Compatible with multiple models of drones and vehicles

Size(ceiling opened)	3.7m*2m*2m
Size(ceiling closed)	2m*2m*2m
Weight	700kg
Power supply	220VAC
Charging time	1hour
Backup power	UPS
Maximum power	300W
Size of the door	550mm*383mm
Weather station support	optional
RTK base station	optional

Atmosphere station &RTK base station



Atmosphere station:

Weather information of wind, wind direction, rain and snow, temperature, humidity and pressure

RTK base station:

RTK differential data source is provided by base station to realize the centimeter-level precision positioning

Operation temperature	-40~70 °C
Storage temperature	-40~85 °C
Frequency band	L1 L2
	B1 B2
	G1 G2
	E1 E5b
Positional accuracy	Horizontal: 1cm+1ppm Vertical: 2cm+1ppm
Number of satellite	22(typical)
Range of the datalink	10km(nominal)
Communication mode	4G and datalink

Application scenarios



Medical emergency:

Build an air distribution network for medical supplies vaccines, serums etc. , establish an emergency mechanism to reduce the delivery time and costs.



Express and delivery:

Solve the logistics problems in suburban, mountainous, hilly, island and other regions.



Fresh food e-commerce :

Improve the delivery efficiency of characteristic fresh from the place of origin.



Wechat Official Account QR Code



Sina-Weibo QR Code