

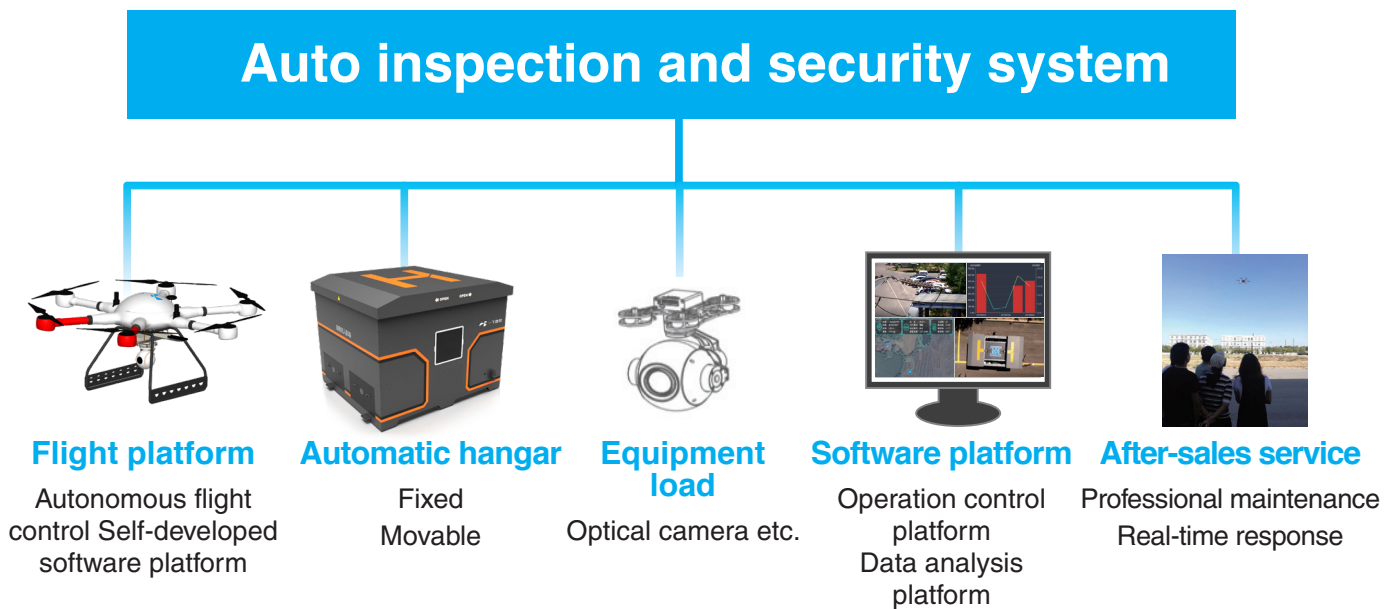
AUTO INSPECTION AND SECURITY SYSTEM

THE LEADER OF INTELLIGENT INDUSTRIAL UAS

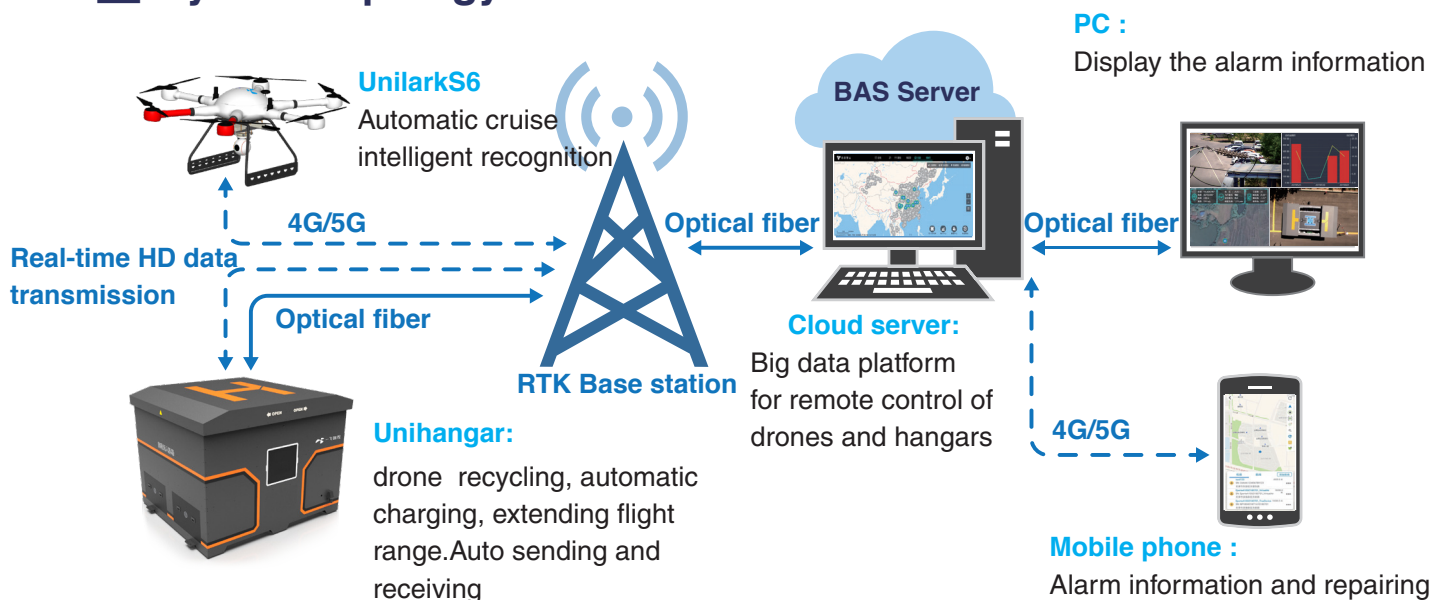
Auto inspection and security system introduction

EFYI auto inspection&security system is a solution which include automatic hangar "Unihangar", drone "Unilark D6" and cloud platform . Users can deploy automatic hangars and drones near the mission area to realize remote control of drones, and continuous execution of inspection tasks. It can achieve continuous, and rapid response "unmanned" operations, the drone can also fly between automatic hangars, which expands the inspection range and reduces the participation of operators.

System introduction



System topology



Process

3

Auto detection

The payload can be automatically focused as required, and it can also transmit images and videos to the cloud data platform in real time.

4

Auto delivery

When the mission is automatically executed or the battery level is warned, the system will guide it to the nearby hangar for accurate landing and automatic charging.

5

Data analysis

The image and video data transmitted by the load can be analyzed by professional software.

2

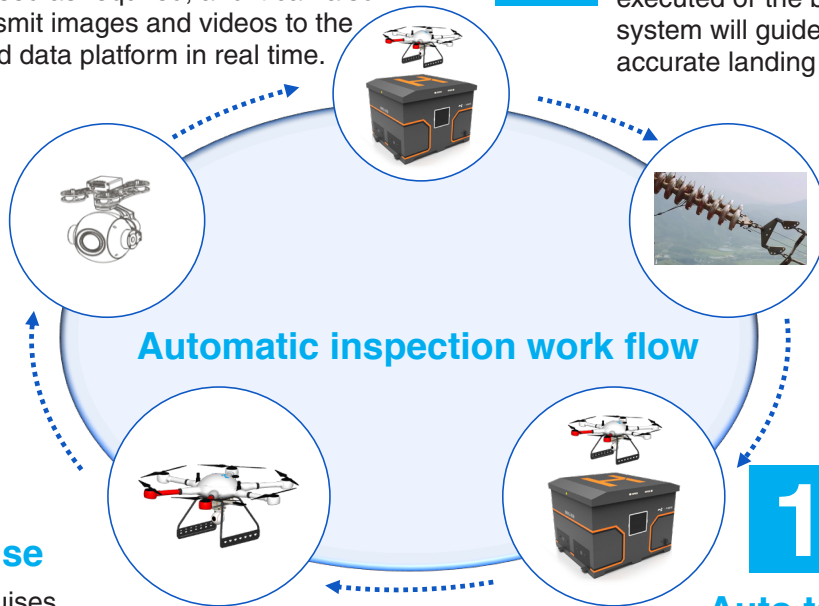
Auto cruise

The drone cruises automatically according to the preset route and hovers at the fixed point according to the specific patrol task.

1

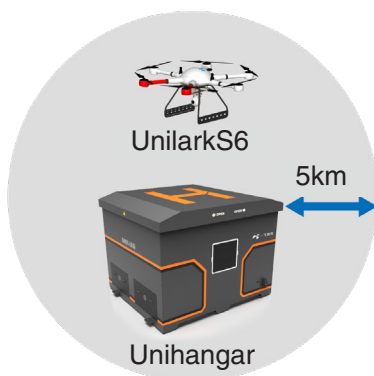
Auto take-off

The drone will automatically take off from the hangar when the central control room gives a command or according to the preset time

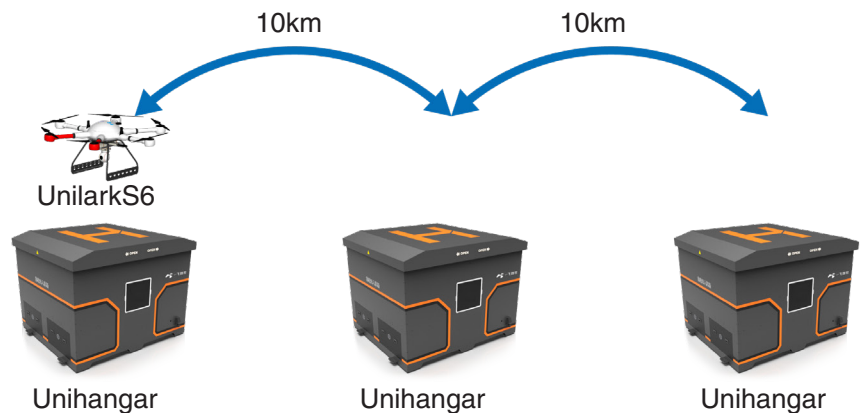


Operating mode

Unihangar: single node mode



Unihangar: relay mode



■ Reliable performance

► Security design



Dual satellite navigation system

RTK positioning system & single point positioning system



Dual link

4G&Data Transmission Link



Laser & Monocular Vision

Guided landing



Dual heading positioning system

RTK dual antenna directional & magnetic compass

► Security design



Emergency parachute



Propeller protection design

■ Product features



Auto-intelligence



Auto cruise



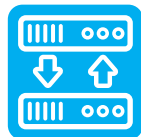
Fast response



24 hours



Rainproof and dustproof



Fast charging



AI management



Cost reduction

Product parameters

Inspection drone Unilark S6



Versatility:

Arm detachable, Tripoda and load replaceable

Precision:

Centimeter-level high precision positioning

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

Automatic hangar Unihangar



Intelligent:

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

Safety:

Automatically sense the environment and specify flight strategy

Scalability:

Cluster deployment hangars , extended range

Compatibility:

Compatible with multiple models of drones and vehicles

Size(Skylight opened)	4m*2.3m*2m
Size(Skylight closed)	2.3m*2.3m*2m
Weight	700kg
Power supply	220VAC
Charging time	1hour
Support	UPS
Video surveillance equipment	Support
RTK base station	optional
Weather station	optional

Weather station & RTK base station



Weather station:

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

RTK base station:

provide accurate location data services, provide security for unmanned systems to perform inspection tasks



Wechat Official Account QR Code



Sina-Weibo QR Code