

Multicopter Hangar

The unmanned automatic apron system is a visualized cloud operating system integrating automatic UAV flight, cluster scheduling and data processing, which consists of an intelligent scheduling and inspection platform composed of an automatic UAV airport, an external intelligent weather station, an industrial UAV, and a Tianmu scheduling system. It realizes many functions such as route planning, autonomous take-off, automatic inspection, remote control, fixed-point hovering, real-time image return, precise landing, fast charging and re-flying, and background intelligent data processing.



Parameters

Features

- Safe and efficient all-weather intelligent inspection, which can be customized and deployed according to customer needs, specific application scenarios, etc., to enhance the ability to protect key areas.
- Realized automatic cruise, key target survey, autonomous landing, automatic charging, intelligent identification and diagnosis of industrial drones.
- No need for a flyer to operate the drone on site, which reduces the work intensity of the operator, reduces maintenance complexity, and improves response time.
- The automated apron can accommodate a wide range of hexacopter drones with 1700mm internal wheelbase and 4G/5G data transmission.

Specification Parameters

Type Of Hangar	Rechargeable Hangar	Emergency Lights	Internal and external emergency lights
Primary Materials	Aluminum/Stainless Steel/Cold Rolled Plate	Video Monitoring	Internal and external cameras
Dimensions	3365*2895*1510 mm (Hatch closed)	Voice Prompt	External speaker
Weights	≤1680 kg	Operating Temperature	-20~65 °C
Matching Drone	Wheelbase 1650 mm	Anti-interference Ability	100A/m (Magnetic field at work frequency)
Backup Power	UPS Backup Power	Networking Methods	Network cable / 4G / 5G
Power Supply	220V AC	Response Time	Ramp elevator to raise UAV to takeoff position ≤ 3 min.
Operating Power	Standard condition: ≤1800 W / Peak: ≤4000 W		
Temperature Control	Equipped with hot and cold air-conditioning		
Lightning Protection	Fitted with lightning rods		
Protective Measure	Fitted with smoke sensors, temperature, circuit breakers, etc.		
Weather Monitoring	Equipped with weather station, wind speed, wind direction, rain, temperature, humidity and other meteorological instruments, real-time feedback weather conditions.		
Weather Station Size	1150*415*2500 mm (Excluding meteorological equipment, excluding height of lightning rod)		
Drone Charging Time	75 min (20%-100%) / 50 min (20%-90%)		
Charge Protection	The charger will automatically cut off the power if the charging current is too high or the temperature is too high.		
Precision Landing	RTK+Vision Precision Landing, Drone Landing Error ≤30 cm.		
Joystick Control	Work with the platform to support joystick control of drones.		

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