



EVO NEST

Work Hard. Rest Easy.



EVO NEST

EVO NEST is an automatic drone charging station that enables industrial drones to land, takeoff, and carry out consecutive missions with no human intervention. Equipped with a retractable canopy, a glass-fiber charging board, and a built-in air conditioning system, the NEST has everything it needs to keep itself and its aircrafts in great working condition, no matter the weather. Using exclusive software, operators can also plan flight tasks from the comfort of their home office, reducing labor costs while enhancing efficiency.



Highlights



Compatible with EVO II Series, EVO II RTK Series and EVO II Enterprise.



Fully recharges aircraft in 45 minutes. Includes overcurrent protection for safer workflow.



Easily transported and deployed due to its small size and light weight.



Provides status feedback and remote diagnosis.



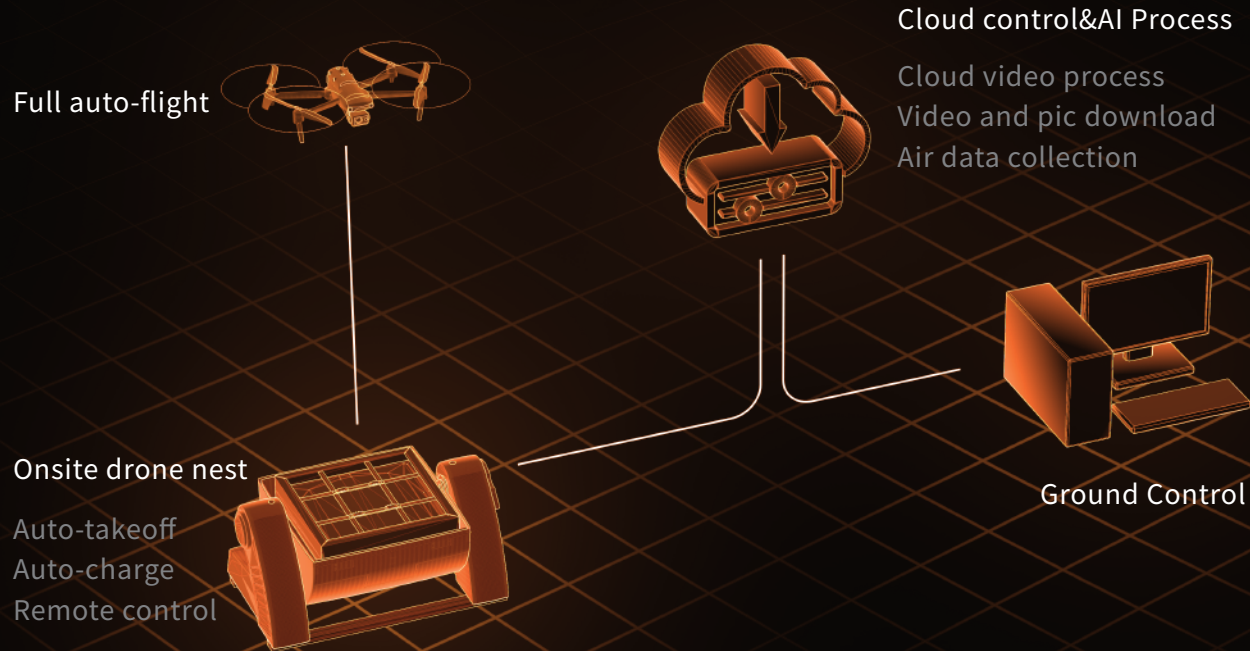
Resistant to dust and water spray due to IP54-rated exterior.



Electronic lock and internal lens to ensure safety of devices.

EVO NEST Automatic Flight System

Cloud-based services and command center make it easy for operators to complete unmanned inspections or observe their responsible areas in real time. The system also offers a user interface that is scalable and seamless to integrate.



System Advantages



Automatic Flight

The system can customize the drone's automatic flight algorithm based on its surroundings, allowing for autonomous takeoffs, autonomous inspections, and precise landings.



Cloud Remote Control

Using a 5G/4G network connection, the aircraft's flight route, gimbal angle, flight time, image capture, and frequency can be controlled in real time without geographic restriction.



AI recognition and tracking

After receiving its mission, the drone automatically identifies the inspection target, tracks it, and takes pictures.



Customized development

The system uses a standard API interface, meeting specific needs for redevelopment.



Grip deployment

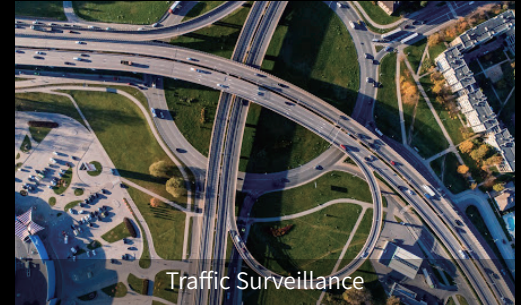
Multiple nests can be deployed to enable drones to accomplish parallel tasks and relay operations of multiple aircrafts, covering the mission area.



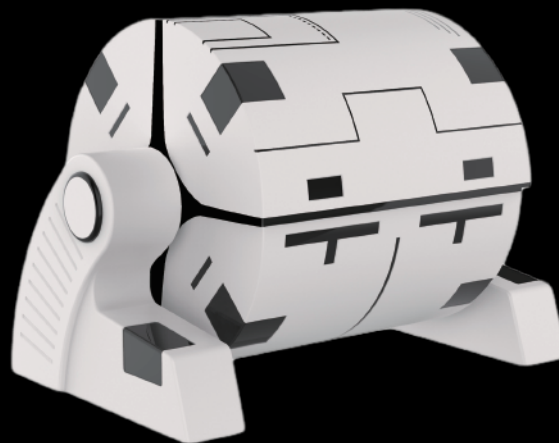
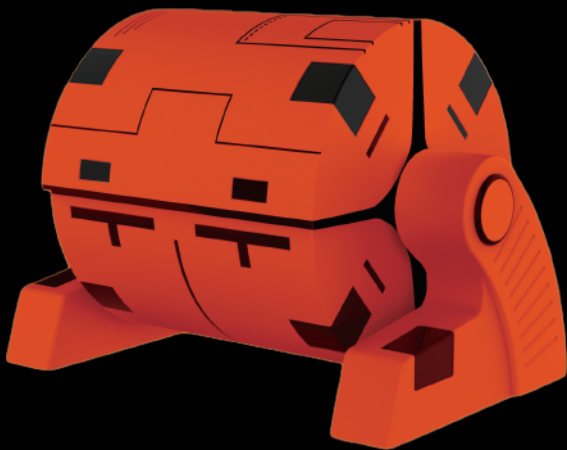
Information Management

Data collected from the aircraft, EVO NEST, and payload are uploaded to the cloud for users to review or access later.

Industries



EVO NEST Specs



Size (L*W*H)	closed: 43.86*28.86*28.86 in (1114*733*733 mm) opened: 43.86*28.86*20.24 in (1114*733*514 mm)
Protection	≥IP54, rainproof, light resistant, corrosion resistant
Working temp.	-4~122°F (-20~50°C)
Weight	88.2 lbs (40 kg)
Humidity	30%~50%RH

Fatigue test	≥ 50000 times
Working power	Avg. 400 W
Working voltage	110 V, 220 V
Max. charging current	10 AM
Charge time	45 mins



ROBOTICS

www.auteldrones.com