



Autel EVO Nest 2

Autel EVO Nest 2 integrates AI-driven autonomy with a high-performance platform, featuring a lightweight design that supports both fixed and vehicle-mounted deployment. It streamlines the entire workflow—from unboxing and setup to mission dispatch—with exceptional speed. Working seamlessly with the EVO III Nest Edition and the Autel AthenaOS Platform, it forms an integrated Device-Edge-Cloud intelligent hub that unites AI scheduling with fully automated operations. Through AI unattended solutions, it dramatically lowers operational barriers and labor costs, empowering smart security, energy, and transportation applications.



AI-Powered
Operations



Flexible
Deployment



Easy
to Use



All-Weather
Operations



15 km Operating
Radius



30-Min Wireless
Fast Charging



Data
Security





AI Autonomy Unattended Operations

Driven by the AI agent of the Autel AthenaOS platform, Autel EVO Nest 2 delivers fully unattended, end-to-end workflows. A single command triggers flight route planning and mission dispatch. The UAV autonomously executes each mission, combining target recognition with automated evidence collection, and generates a complete mission report upon return—achieving a truly closed-loop workflow.



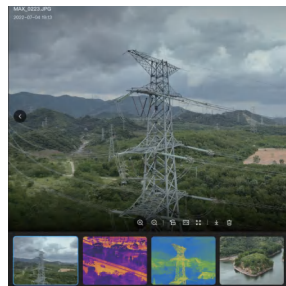
Flexible Deployment Plug-and-Play

With plug-and-play simplicity, no specialized personnel or complex deployment is required. Supporting both fixed and vehicle-mounted deployment, Autel EVO Nest 2 adapts to diverse environments—offering stable, efficient performance for routine operations and agile mobility for rapid-response missions.



Smart Swarm Networking Air-Ground Collaboration

Enables relay flights, air-ground coordination, achieving cross-regional mission continuity with stable, low-latency communication. Even in complex conditions, Autel EVO Nest 2 ensures reliable connectivity and scheduling, guaranteeing uninterrupted operations.



Cloud Operations Effortless Management

Together with the Autel AthenaOS platform, Autel EVO Nest 2 establishes an integrated Device-Edge-Cloud air-ground intelligent hub. Its AI-unattended solution enhances operational efficiency and automation, allowing operators to manage and monitor missions remotely—anytime, anywhere.



Fast Charging Efficient Turnaround

Featuring wireless fast-charging technology, the UAV recharges from 10% to 90% in just 30 minutes, minimizing downtime. Combined with AI scheduling, it enables high-frequency sorties and seamless mission turnaround for maximum operational efficiency.



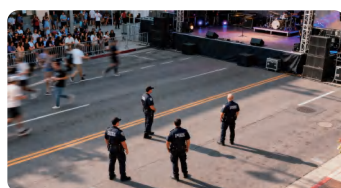
All-Weather Readiness Reliable Operations

Engineered for 24/7 industrial operations, Autel EVO Nest 2 performs reliably even in extreme conditions. Its monocoque structure achieves IP56 rating, resisting heavy rain and dust ingress. In case of power failure, the built-in UPS automatically activates to ensure mission continuity.

Workflow



Applications



Public Security Patrol



Area Security



Traffic Enforcement



Energy Infrastructure Inspection

Specifications

Dimensions (L×W×H)	617 × 811 × 778 mm (hatch closed) 1796 × 778 × 451 mm (hatch open)
Weight	50 kg
Operating Radius	15 km
IP Rating	IP56
Operating Temperature	−30°C to +55°C

Max Operating Altitude	5000 m
Operating Voltage	100-240V
Network Access	Ethernet, WiFi, 4G / 5G (optional)
UAV Charging Time	30 min (10% → 90%)
Supported Models	Autel EVO III Series Nest Edition

* Note: This product is currently in the pre-release optimization phase. The specifications, design, and performance metrics shown here are preliminary and for reference only. Final delivered product parameters may differ from those currently listed and are subject to change without notice. The final mass-production/delivered version shall prevail.