

# Autel Integrated Command System

## Air-Ground Integration, Full-Spectrum Control

Autel Integrated Command System (AICS) is a comprehensive UAV management and control cloud service platform, featuring a wide range of functions with an easy-to-use interface. It offers capabilities such as real-time situational awareness, AI target recognition and positioning, flight route and mission planning, live streaming, and remote control. The platform enables back-end personnel to remotely dispatch and visually manage front-line devices, while flight data is securely stored in public clouds or private servers for later retrieval, use, analysis, decision-making, and remote maintenance by operators. AICS supports a great variety of UAV models, including multi-rotor, eVTOL, and counter-unmanned aerial system (UAS) devices, enabling multi-terminal collaborative operations and information sharing. By breaking down information silos, it enhances team command and execution efficiency, empowering applications in intelligent security, energy, transportation, and other scenarios.



Real-Time  
Situational Awareness



AI Target Recognition  
and Positioning



Intelligent Flight  
Route Planning



Monitoring  
and Early Warning



Private  
Deployment



Data  
Security



Information  
Sharing



Open  
Platform



## Virtual Cockpit

Through an efficient and stable communication link, you can control UAVs and Nest deployed thousands of miles away, including UAV flight, gimbal angles, and multiple sensors on the Nest, delivering an immersive operational experience from anywhere.

## AI Target Recognition and Positioning

Powered by AI-based image recognition algorithms, the platform enables the UAV to quickly and accurately recognize and locate 64 target types, including people, vehicles, vessels, UAVs, flames, and smoke, in complex environments, providing mission decision support for early warning of abnormal events.

## Intelligent Flight Plan

Supports activating AI-powered defense based on a defense schedule, allowing for mission strategies with timed plans or scheduled repeats. This enables the progression from manual to intelligent defense, ensuring automated, unattended security protection for key areas around the clock.

## Annotation Management

The efficient and intelligent annotation management feature enables quick creation of pinpoints and areas by simply clicking or drawing on the map. It also allows precise viewing and classification management of coordinates. Supports sending mission commands to pinpoints, such as 'Fly to Target' and image capture, enabling a closed-loop process for key areas: "Discovery - Pinpointing - Decision - Execution."

## Intelligent Flight Route Planning

Supports the creation of waypoint and polygon routes for multi-rotor UAVs, as well as waypoint, corridor and surround routes for eVTOL UAVs. The platform allows for flexible configuration of specific parameters such as gimbal angles, camera actions, flight speed, and coverage area, enabling complex flight path planning through the route editor. The platform supports the import of KMZ or third-party KML files, meeting the need for route reuse in various scenarios and effectively improving operational efficiency.

## Private Deployment

Supports private deployment, allowing integration with the user's own platform or terminals, giving full control over data within an internal network environment, effectively protecting information security and privacy.

## | Autel Integrated Command System Workflow



## | Supported Devices

### Multi-rotor Remote Operations System



EVO Max Series



EVO Nest

### eVTOL Remote Operations System



Dragonfish Standard



Autel Dragonfish Nest