Industrial Application

UAV Flight Control System

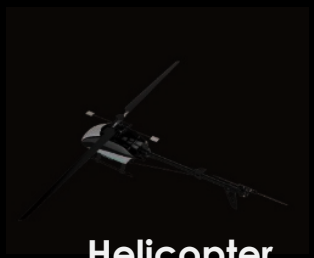
WOOZOOM-Z1

Support All Types of UAV | Stable and Reliable | Easy to Use

- Modular Design
- Flight Test and Verification for More than 100, 000 hours (Core Algorithm)
- Dual Redundancy IMU
- Patented Inner Shock/Vibration Absorber
- High Coverage Fault Detection
- Real-time Emergency Disposal During All Flight Courses
- Full-auto Flight
- Hardware-in-loop Flight Simulation
- Support Various Payloads
- Customization is available

SUPPORTED TYPES

VTOL



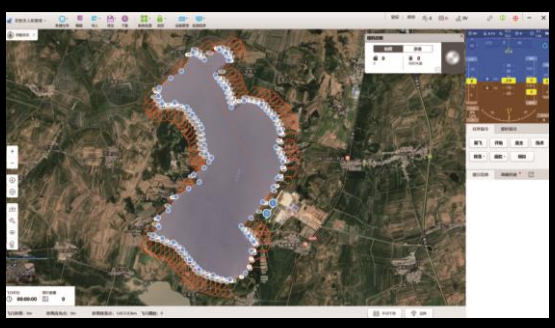
Helicopter

Vector Multi-rotor

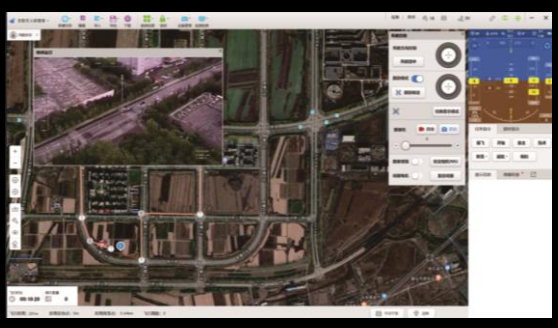
Multi-rotor

Tilt-Rotor

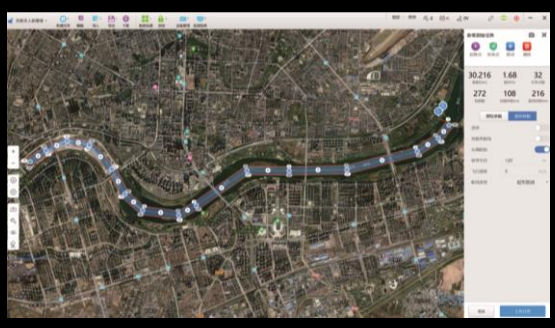
FRIENDLY UI



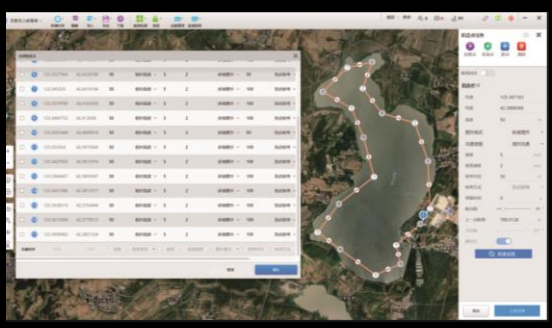
Flight Route Planning for Irregular Polygon Zone



Embedded Video and Target Following



Flight Route Planning for Complex Band Zone



Fast Setting and Modification of Waypoint Attributes

PARAMETERS & FEATURES

- Master Control Unit Dimension: 60*45*28mm
- Work Temperature: -30~60℃
- Interface: PWM Output * 12, Camera Control Output, S.Bus Input, Rev measurement Input, Multiple UART(TTL & RS232), CAN
- Configurations/Engineering/Factory Mode: Remote Control calibration and Setting, Sensor Calibration and Setting, Actuator Setting, Controller Performance Tune, Safety Setting, Mission Payload SettingHigh
- Multiple Operation/Control Modes: Autonomous Mode, Manual Mode, Rate Mode, Attitude Mode, Altitude Mode, GPS Mode
- Plenty Instant Command: Autonomous, takeoff, Landing, Return to Land, RTL through Historical Route, Hove, Loiter, Gentle Landing, Height Adjustment, Speed Adjustment, Forced Landing
- Mission Mode: Offline Planning, Online Planning, POI(Point of Interest), Multiple Flight Routes Mode, Waypoint Adjustment/ Jump Waypoint, Intelligent Flight Route Planning, Kml Import/Export, Mission Import/Export, Auto Takeoff/Landing Route Planning
- POS Info, Power-on Self-check, Gimbal Control, Flight Data Play back etc.