

Long Endurance Unmanned Aircraft

Long Lasting Endurance No Battery Replacement



Ranger P2X



120min
Maximum
Endurance



30km
Real-time HD Video
Transmission



6 Level
Wind
Resistance



5500m
Maximum
Flying Altitude



Intelligent Obstacle
Avoidance
Millimeter Wave
Radar



Autonomous Take-off/
Follow/Landing Platform^①
Mobile Take-off
and Landing

Overall Size	1690*247*495	Maximum Flying Altitude	5500m
Main Rotor Diameter	1910mm	Wind Resistance	6 Level
Maximum Take-off Weight	16.5kg	Communication Frequency	1360-1430MHz
Standard Weight	3.7kg	Hover Accuracy	Vertical: $\pm 2.0\text{m}$ (GPS) $\pm 0.1\text{m}$ (RTK) Horizontal: $\pm 1.5\text{m}$ (GPS) $\pm 0.1\text{m}$ (RTK)
Maximum Horizontal Speed	100km/h	Maximum Climb/Descend Speed	Climb Speed: 2.5m/s Descend Speed: 1.5m/s
Battery Weight	11.3kg	Obstacle Avoidance Module	Obstacle Sensing Range: 60m FOV:130°
Video/Data Link Transmission Distance	30km	Operating temperature	-20°C ~ +60°C
Maximum Payload	1.5kg	Storage temperature	-10°C ~ +55°C
Cruising Speed	50-70km/h	Protection class	IP54
Maximum Endurance	120min		
Maximum Range	120km		

*①The Ziyang movement base take-off and landing follower module is an optional module

Modular Design

Portable

- Small** Unique detachable structural design
- Fast** 3 minutes fast deployment
- Light** Aviation composite material percentage>50%



Tri- sensor Pod



30X Laser Ranging POD

Optional Equipment



Oblique Camera



Lidar



Loud speaker

Ground Control System

Handheld Ground Control Station
Communication Base Station



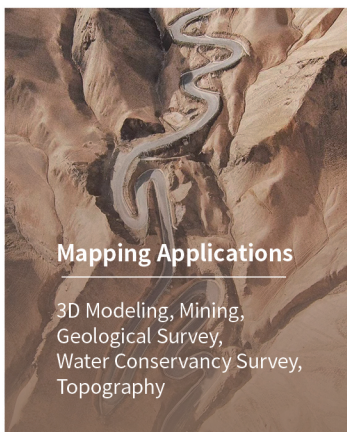
Handheld Ground Control Station



Communication Base Station

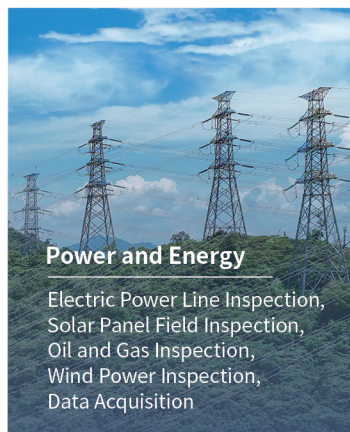
Applications in complex environments

Make it your best work partner



Mapping Applications

3D Modeling, Mining, Geological Survey, Water Conservancy Survey, Topography



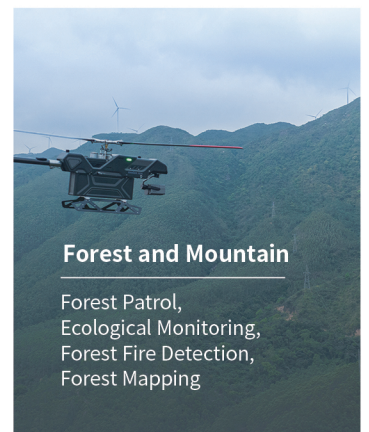
Power and Energy

Electric Power Line Inspection, Solar Panel Field Inspection, Oil and Gas Inspection, Wind Power Inspection, Data Acquisition



Marine Applications

Marine Monitoring and Inspection, Shoreline Mapping, Marine Patrolling, Marine Law Enforcement, Coastline Inspection



Forest and Mountain

Forest Patrol, Ecological Monitoring, Forest Fire Detection, Forest Mapping