Application Scenarios

Fire Scene Reconnaissance

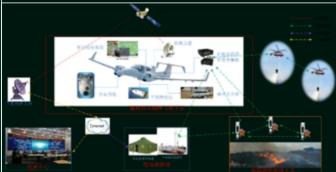


Capture of visible and infrared HD videos.
Large-scale fire site search.

Fire Analysis and Assessment

- Automatic fire alarm (temperature over 150 °C).
- Fire site area, perimeter and other information measurement.
- \cdot Fire trend analysis and evaluation.

Fire Information Transmission



- B-LOS link: The transmission of fire site video, data and other fire site information through SAT-COM B-LOS link.
- LOS-link: The transmission of fire site video, data and other fire site information through Ad-hoc network.

Airborne Emergency Communication

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- SATCOM terminal: Real-time communication using airborne VoIP calling for SATCOM and BeiDou short-wave system.
- Ad-hoc network: Real-time communication with the ground through Ad-hoc network.

GET

FireFalcon

—Forest Fire Prevention Aircraft

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All or any specification given in the brochure are for reference and the manufacturer reserves the right to final interpretation. Data is subject to change without prior notification. Images may showcase experimental aircraft.

Introduction

- Daily patrol, fire reconnaissance, and early warning;
- Real-time fire information transmission;
- Strong mobility;
- High command efficiency;
- Wide patrol area.

Technical Specifications/

Dimension (Length/Height/Wingspan)	8.56 m/ 2.49 m/ 13.55 m	28 ft 1 in/8 ft 2 in/44 ft 4 in				
Max. operating altitude	5,486 m	18, 000 ft				
Max. cruising speed (16,000 ft)	352km/h TAS	190 KTAS				
Stall speed	130km/h TAS	70 KTAS				
Economical cruising speed	280km/h TAS	151 KTAS				
Typical airborne operations time ¹	6-8 h	6-8h				
Max. range	2,357 km	1, 275 nm				
Fuel capacity	289 Lt	76.4 US gal				
Fuel consumption	24.2 Lt/h	6.4 gal/h				
Twin-engine rate of climb	6.8 m/s	1, 325 fpm				
Take-off/ Landing distance	886 m/ 647 m	2, 907 ft/2, 122 ft				
Empty weight/ MTOM	1,365 kg/ 2,001 kg	3, 009 lbs/4, 411 lbs				
Useful load	636 kg	1, 402 lbs				
Demonstrated crosswind	46 km/h	25 kts				

¹ With standard mission equipment and 2-man crew.

Configuration Options Forest Fire Prevention System Platform -• Accurate monitoring and judgement of disaster situation • Accurate and real-time data transmission • Scientific auxiliary decision analysis • Regional networking and efficient command Ad-hoc Network **Mission Computer** EO/IR Pod EO/IR Pod SATCOM Real-time acquisition of visual/ infrared Real-time B-LOS link images ·Quick to access the emergency network Laser ranging, positioning, and tracking KU-/KA-band supporting Detection range 25 km olution ration 1920 X 1080 Ad-hoc Network Mission Computer Real-time LOS link ·Independent performance operations with •Transfer distance > 100km adjustable situations. ·Transfer ratio ≥15Mbps Automatically records and display the working status of the system and equipment ·4TB, Intel 7-10700CPU hard drive





