Application Scenarios

Fire Scene Reconnaissance

· Capture of visible and infrared HD videos.

· Large-scale fire site search.

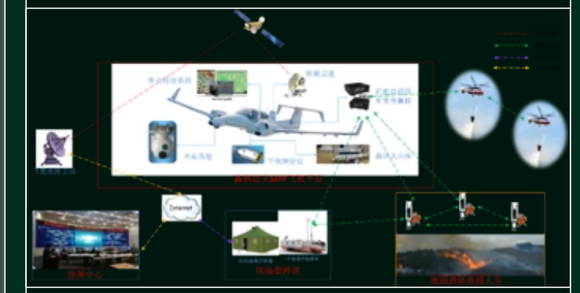
Fire Analysis and Assessment

· Automatic fire alarm (temperature over 150℃).

· Fire site area, perimeter and other information measurement.

· 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

· 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.

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