

# Application Scenarios

## Aerial Reconnaissance



- Capture of visible and infrared HD video of the disaster area via EO/IR pod.
- Rapid reconstruction of 3D model of disaster site.

## Airborne Emergency Communication



- Serving as the airborne base station and relay platform.
- Ensuring network interconnection, data exchange, and smooth communication.

## Air Management Auxiliary Decision Making



- Spatial measurement analysis, target identification.
- Mapping the rescue forces.
- Situation awareness, prediction, and evolution.

## Air Command and Dispatch



- One-click group meeting accessible.
- Whole process visible.
- Rescue forces command and dispatch.
- Multi-aircraft collaboration and air traffic services.



# Responder

## —Emergency Command Aircraft

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# Introduction

- The first manned airborne emergency command aircraft in China;
- Applicable to various emergency rescue scenarios, e.g. flood disasters, forest fire, geological disasters, etc.;
- Supports pre-disaster inspection, disaster command and post-disaster assessment tasks;
- High-efficiency, reliability, and economical.

# 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 <sup>1</sup>	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

<sup>1</sup> With standard mission equipment and 2-man crew.

# Configuration Options

## Digital Battlefield Combat Accusation Platform

- Realistic 3D combat table
- Scientific auxiliary decision analysis
- IoT Data Aggregation Sensing
- Intelligent, convenient, and efficient

