

# Vertical Takeoff and Landing Unmanned Aerial Vehicle

This vertical takeoff and landing (VTOL) unmanned aerial vehicle (UAV) combines multi-rotor lift for vertical operations with fixed-wing flight for efficient forward motion. Its modular design allows for payload customization and mission-specific configurations.



## ADDITIONAL IMAGES



## Product Overview

### Versatile VTOL Aerial Platform

The JC-F07e is a professional-grade Vertical Takeoff and Landing (VTOL) unmanned aerial vehicle engineered for diverse industrial applications. Featuring a robust, modular design, it supports a wide array of specialized payloads including high-definition cameras, LiDAR, multispectral sensors, and emergency delivery systems. This versatile platform provides critical operational capabilities for environmental monitoring, resource mapping, emergency management, and infrastructure inspection with high efficiency.

## Technical Specifications

Model	JC-F07e
Dimensions	2400 x 1150 x 300 mm
Power Source	Electric

## Flight Performance

### Flight Performance Highlights

**7 kg**

Max Takeoff Weight

**1 kg**

Max Practical Payload

**90 km/h**

Max Cruise Speed

**2.1 h**

Max Endurance

**5500 m**

Max Operating Altitude

## Operational Capabilities

### Compatible Sensors/Payloads

- High-definition cameras
- Infrared cameras
- Multi/Hyperspectral cameras
- LiDAR
- Gas detectors
- Water intake devices
- Radar systems

### Primary Use Cases

Environmental Protection, Water Conservancy, Emergency Management, Public Security, Resource Survey, Industrial Inspection