AOEXO CAAC Certification Training Drone

深圳市飞雄科技有限公司

Shenzhen AOEXO Technology Co., Ltd.

Product Overview

The AOEXO CAAC Certification Training Drone is designed for pilot certification and training. It features an advanced **V-type octocopter configuration** and a lightweight yet robust **3K carbon fiber aerospace-grade structure**. With an innovative **umbrella-style folding mechanism** and an upgraded **quick-release battery system**, it enables rapid assembly, disassembly, and portability. Paired with a high-efficiency flight control system and redundant power design, it ensures flight safety and stability even in

complex environments, making it an ideal platform for flight training and certification.

Key Features

Battery System

Upgraded Quick-Release Design: Streamlined battery swaps with a high-capacity battery for extended training sessions.

Folding Mechanism

Automatic Spring-Lock Folding: CNC-machined aluminum alloy locks ensure strength and stability.

Compact Transport: All arms fold downward with 1552 folding propellers, minimizing storage size.

Structure & Materials

3K Carbon Fiber Frame: Combines lightweight durability with aerospace-grade performance.

Integrated Power Distribution: Coaxial power connectors simplify installation and enhance reliability.

Flight Stability

V-Type Octocopter Design: Redundant power ensures stability even during single-motor failures.

Precision Flight Control: Adapts to challenging training scenarios with responsive handling.

User-Friendly Operation

Rapid Deployment: Lift arms, lock latches, and power on—ready to fly in seconds.

Simplified Workflow: Streamlined setup maximizes training efficiency.

Technical Specifications

General Parameters	Details
Takeoff Weight	7 kg
Gross Weight	4.2 kg
Wheelbase	1045 mm
Height	530 mm
Arm Length	386 mm
Central Frame Diameter	337 mm

General Parameters	Details
Landing Gear Size	520 × 520 mm
Folding Mechanism	Umbrella-style folding design
Battery	16,000mAh (quick-release mount)
Operating Current	40A
Voltage	6S LiPo
Signal Frequency	30 Hz – 450 Hz
Drive PWM Frequency	8 kHz
Propeller Material	High-strength composite engineering polymer
Propeller Size	15 × 5.2 inches
Propeller Weight	13 g × 8
Hover Power Consumption	4000W
Flight Time	15 minutes
Operating Temperature	-10°C to +40°C

Use Cases

Flight Training: Develop core piloting skills for beginners.

Certification Simulation: Standardized platform for CAAC (Civil Aviation Administration of China) certification exams.

University Education: Hands-on training for aviation students.

Military Training: Emergency response drills for military pilots.

Disaster Drills: Simulate rescue missions in emergency scenarios.

R&D Testing: Validate flight control algorithms and aerospace materials.

Aerial Demos: Showcase advanced aviation tech at exhibitions.

Corporate Training: Streamline pilot instruction for aviation firms.

Drone Racing: Train teams for precision and teamwork.

Tech Development: Test next-gen flight systems and software.