

F400

Engineered for Heavy-Lift Missions

The F400 is a large drone platform that offers exceptional flexibility in payload integration for a wide range of operations, including disaster response, agriculture, surveillance, mapping, field surveys and cinematography.

Features

- Lightweight carbon fiber and aircraft-grade aluminum airframe for enhanced durability and reliability
- All-up weight (AUW) of 11.5 kg with a dedicated 5 kg payload capacity for mission-critical equipment.
- Up to 5 km operational range with axl OneView radio controller for reliable long-distance operations
- 18–20 minutes of flight endurance for extended aerial missions
- axl Orbit multi-GNSS system for accurate positioning, navigation, and flight stability
- Supports a wide range of payloads, including lighting systems, communication systems, delivery boxes, and megaphones

Software Compatibility

Capable of Networked Drone formation and peer to peer or mesh network. One or more powerful Remote controllers with full video streaming and play back capability. Proprietary axldrone software solutions for video and data streaming on laptop and internet



Capabilities



Aerial Survey
& Mapping



Surveillance
& Monitoring



Professional
Cinematography



Emergency
Response
Operations



Multiple payload
mounting

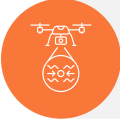
Applications

- Field Survey & Mapping
- Agriculture Operations
- Disaster & Rescue Management
- Medical & Commercial Delivery
- Defence and Law Enforcement
- Movie and Video filming

Specifications

Configuration	Quadcopter
Frame Construction	axl Carbon Fiber, Aluminum & High toughness PETG Covers
All Up Weight (AUW)	25 lbs (11.5 kg)
Weight (Excluding battery)	14 lbs (6.35 kg)
Payload Capacity	Maximum – 11.02 lbs (5 kg)
Dimensions	1728 mm (Diagonal, Tip-to-Tip) × 603 mm (Height)
Propulsion	Brushless DC Motors
Endurance	18–20 Minutes
Typical Cruising Speed	10 m/s (36 km/h)
Maximum Speed	13-15 m/s (km/h)
Controller	axl OneView/ axl OneView Lite
Positioning	axldrone GNSS Receiver

Payload Options

 Daylight/Moonlight Camera	 Search Light
 Thermal/IR Camera	 Dropping mechanism
 Multispectral camera	 Small-scale logistics payloads
 PA System	 LiDAR scanners / Obstacle avoidance



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