

AeroClean

SOLUTIONS

AIRFRAME

Specifications

Detail

Airframe	Hexacopter
Max. Diagonal Wheelbase	45 in
Dimensions(Arms Unfolded)	53" × 48" × 19.5"
Dimensions (Arms Folded)	18" × 18" × 19.5"
Frame Materials	Aluminum, Carbon Fiber, Polycarbonate Lights
Anti-Collision Lights	Six integrated high-visibility LEDs positioned for full 360° coverage,
Flight Controller	Advanced stabilization and redundant IMU sensors
Gps	Dual high-sensitivity GPS units; GNSS and RTK-based positioning

PROPULSION SYSTEM

Specifications

Detail

Motors	Six high-torque brushless propulsion units
Stator Size	67 mm (2.63")
KV	130 RPM/V
Max Thrust	6.5 kg per rotor
Max Power	3,500 W per rotor
Motor Weight	385 g per rotor
Waterproof Rating	IP45
Max Continuous Current	60 A
Max Working Voltage	52.2 V
Foldable Arms	Yes
Propeller Size	22"

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FLIGHT PARAMETERS

<i>Specifications</i>	<i>Detail</i>
Controller Operating Frequency	2.400–2.483 GHz
Weight (without battery)	19lb
Max Takeoff Weight	25lb
Thrust-to-Weight Ratio	3.4 : 1
Velocity Accuracy	1.65 ft/s (0.5 m/s)
Battery	16,000 mAh 6S
Max Operating Speed	10mph
Max Flight Time	Up to 35 min
Max Wind Resistance	~20 mph
Service Ceiling (ASL)	656 ft (200m)
Recommended Operating Temp	32–100 °F (0–40 °C)

TRANSMITTER

<i>Specifications</i>	<i>Detail</i>
Screen	5.4-inch LCD
Battery Life	Up to 5 hours
Internal Battery	5,000 mAh
Max Transmission Distance	9.3 mi (15 km)

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SPRAYING SYSTEM

Specifications

Detail

Inlet Connection Material	304 Stainless Steel
Max Rated Pressure	3,500 psi
Plumbing Material	304 Stainless Steel
Nozzle Flow Rate	5–6 gpm
Max Nozzle Assembly Length	20"

CAMERA

Specifications

Detail

Field of View	120°
Resolution	1920×1200; 1080p
Video Transmission	Digital

BATTERY CHARGER

Specifications

Detail

Input Voltage	110–120 V
Output (Voltage/Current)	Adjustable; high-current industrial charger
Operating Temperature	5