

VERGE AERO X7

LIGHT SHOW DRONE



VERGE AERO



**Built for demanding environments
and superior lighting.**

The Verge Aero X7™ drone delivers exceptional shows with speed, precision, and reliability. Paired with Verge Aero's Design Studio, teams can design and launch intricate shows **in minutes.**

KEY FEATURES

- ✓ **Safety-First Engineering**
Layered safety features and redundancies meet aeronautical best practices.
- ✓ **Precision Performance**
Advanced GPS enables pinpoint accuracy, fast satellite detection, compact launch sites, and tight flight formations.
- ✓ **Fast-Charging Smart Battery**
USB-C rapid charging in under 1 hour, instant charge-level visibility, quick battery swaps, and remote power management via Flight Control Hub.
- ✓ **Weather Resistance**
Water-resistant (it floats) and high-wind-rated for reliable operation in challenging conditions.
- ✓ **Secure Communications**
Encrypted systems avoid crowded frequencies and protect against interference.
- ✓ **Rugged, Foldable, Scalable**
Durable construction. Legs fold for compact storage. Mixed fleets and unlimited drones are fully supported.



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SPECIFICATIONS

Width		
Prop-to-prop	48 cm	18.9 in
Hub-to-hub	28 cm	11.2 in
Height		
Flight Configuration	14 cm	5.4 in
Retracted Landing Gear	9 cm	3.6 in
Weight		
Maximum Takeoff Mass (MTOM)	864 g	1.9 lb
Mass (MTOM)	<900g	<1.98lb
Lighting	4x 3W RGBW, 1600 lumens @ full white	
Expansion Ports	2	
IP Rating	IP64*	

*IP rating refers to the central body. Motors are exposed to the environment. USB plug recommended for flight over water.

BATTERY



Rechargeable Li-ion Battery Pack

Remote Power Management is available via Flight Control Hub.

Voltage	10.8 V
Capacity	4200 mAh / 45.4 Wh
Connector Type	USB-C

SHOW CONTROL

- Linear timecode
- Real time DMX lighting

PERFORMANCE

Maximum Speed		
Horizontal	10 m/s	22 mph
Vertical	6 m/s	13 mph
Max Sustained Wind		
	9 m/s	20 mph
Flight Time		
	16 min show	
	21 min total	
Operating Temperature		
	5 to +40 °C	

COMMUNICATION

Frequencies	868 MHz, 915 MHz, 2.4 GHz
Protocol	IPv6
Range	5 km

NAVIGATION

- Dronecode PX4 flight control
- High precision u-blox F9P + RTK
 - Centimeter-level accuracy
 - Maximum satellite reception
 - Rapid satellite acquisition and system readiness
- GPS jamming detection
- Magnetic interference operating mode