

VERGE AERO X7



VERGE AERO

LIGHT SHOW DRONE

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.

VERGE AERO

X7



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 830 g 1.8 lb

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