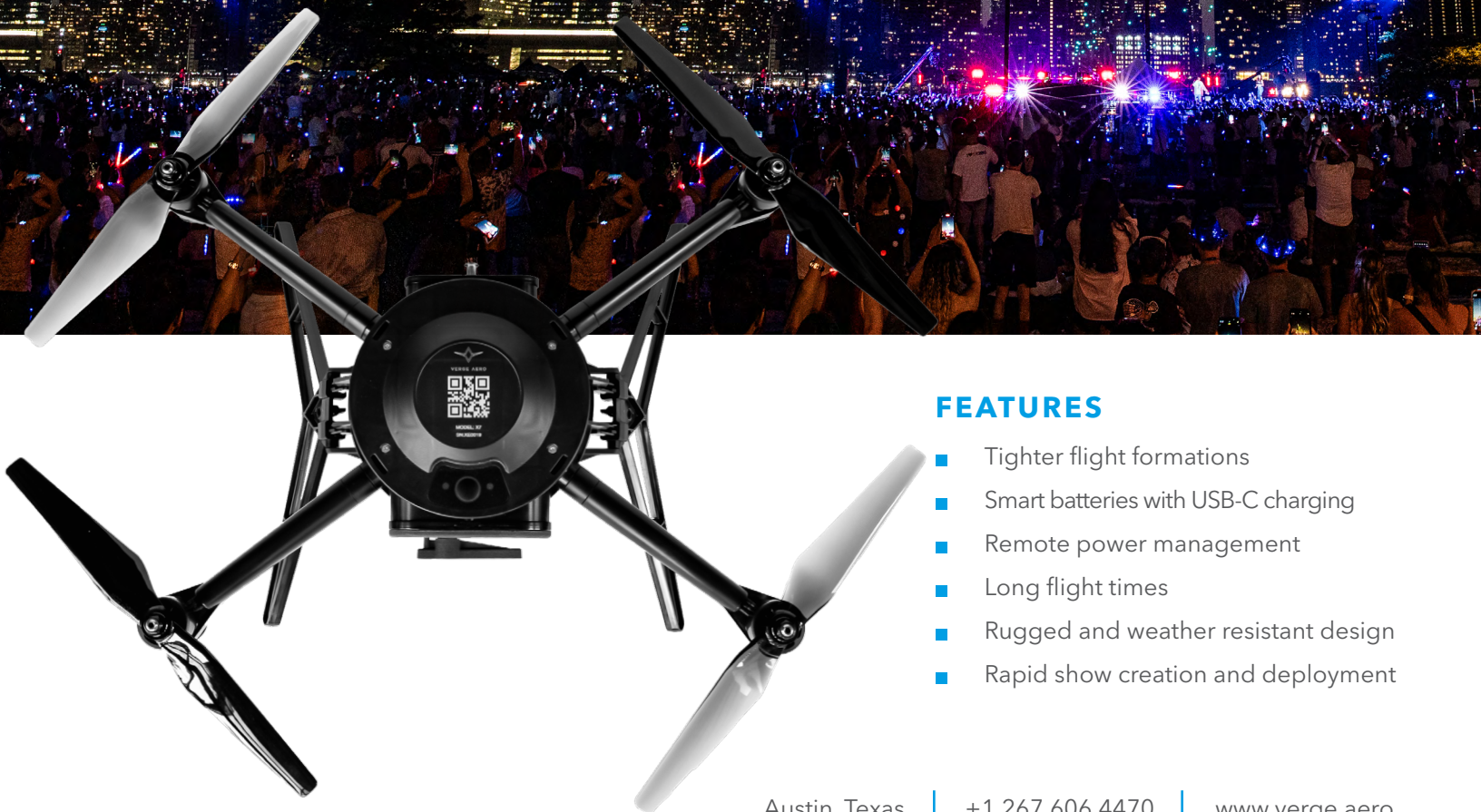# Verge Aero™ **X7**™

VERGE ΛERO

The cutting-edge **Verge Aero™ X7™** drone delivers exceptional drone shows with a comprehensive feature set built for the most demanding environments.

Even better, the **X7** isn't just a drone, it's a revolutionary part of the Verge Aero drone show ecosystem and seamlessly integrates with our end-to-end drone show solution. With a full suite of products Verge Aero is the one-stop destination to get your drone show business off the ground.

Creating and deploying shows is a breeze with the **X7** and the Verge Aero Design Studio; intricate shows are created and flown in minutes.

FEATURES

- Tighter flight formations
- Smart batteries with USB-C charging
- Remote power management
- Long flight times
- Rugged and weather resistant design
- Rapid show creation and deployment

Austin, Texas | +1.267.606.4470 | www.verge.aero

Verge Aero **X7**

THE VERGE AERO
DRONE SHOW SOLUTION

Discover the power of true integration and partnership when you are part of the **Verge Aero Network**. Get everything you need to launch your drone show business in one place with our comprehensive, purpose-built drone show solution.

Support and Services: With 24/7 on-demand global support, custom drone show design services, and a range of support options, we have everything to ensure your success. Whether you're a seasoned professional or just getting started, we have the ideal products tailored for you.

Verge Aero University: From pilot training to design software to FAA support to drones, we'll take you through everything you need to know to become a master drone show provider via in-person training or self-paced online tutorials.

Verge Aero Design Studio: Engineered from the ground up by Verge Aero, our user-friendly design software for quickly and effortlessly crafting drone shows. Endlessly scalable, ensures safety checks, automatically assigns flight paths, and easily imports models, logos, and custom fonts to rapidly create unique drone show designs.

Verge Aero Flight Control Hub: Designed for Verge Aero fleet management and control. Accelerate show operations with this flight planning software, featuring intuitive controls, automatic signal and safety checks, and loads flight paths with ease.

Skystream: Bring perfectly synchronized audio directly to your audience's phones. Add pre and post show audio, video, sponsored content and branded materials. Audio licensing is included!

FEATURES

Advanced GPS Capabilities: Enhanced GPS for fast, pinpoint accuracy even in demanding environment
- Rapid detection of all available satellites - launch in minutes!
- Tighter flight formations
- Smaller, denser launch sites
- Minimize impact of obstructions and nearby buildings

Extended Performance Time: Capable of shows up to 16 min with total hover time of 21 min

Fast Charging: The smart battery system features
- Full rapid charging via USB-C in under 1 hour
- Instant charge level visibility
- Rapid battery swap

Conquer the Elements: Uncompromising resistance against water (it floats!) and winds up to 20 mph (9 m/s), increasing the likelihood of getting a show off the ground even in challenging conditions

Safety First Design: Layers of safety features and redundancies for safe, secure performances

Fully Scalable and Integrated: Full drone show system with each product complementing the next with no limits on drone quantities

Secure Communications: Encryption safeguards against hacking and radio frequencies can be effortlessly switched to avoid crowded parts of the spectrum

Compatibility: Backward compatible with the Verge Aero X1 drone. Mixed fleets are fully supported

Remote Power Management: Maximize flight time through remote power management in the Verge Aero Flight Control Hub

Rugged, Reliable, Flexible: Not only is it built to perform, it's built to last. Folding legs minimize storage space

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Verge Aero **X7**

VERGE ΛERO

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*	

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	

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

BATTERY

Type	Rechargeable Li-ion Battery Pack
Voltage	10.8 V
Capacity	4200 mAh 45.4 Wh
Connector Type	USB-C
Remote Power Management	Yes

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

SHOW CONTROL

- Linear timecode
- Real time DMX lighting

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