



CROSTARS C5

- Redefining Aerial Art
- Millimetre precision in the art of drone light and shadow
- Creating the world's leading aerial theatre

New Generation of Intelligent Drone Performance System

After-Sales Service & Business Model

Purchase the Crostars C5 Package to access industry-leading commercial resources:

100+ Cities & Scenes Coverage, Sky Gate & Low-Altitude Tourism Solutions ,Partnered with 100+ domestic & international scenic spots ,
20+ scenic spots under regular cooperation

Agency Cooperation Hotline: 400-967-1828

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CROSTARS C5

New Generation of Intelligent Drone Performance System



It is the new generation of Crostars drone series, a world-leading high-performance, high-precision performance drone. Based on the accumulation of more than 8 years of experience in more than 10,000 performances. Born for live performance, it is committed to creating an unprecedented aerial theatre for the global audience.

Crostars C5 - Superior Performance, Lighter, Faster, Stronger Performance

Lighter machine

High-strength composite material.
Body weight of only 300g.

Faster speed

Maximum horizontal speed of 13 m/s.
Performance speed of 8 m/s.

Longer hovering time

The hovering endurance can reach 38 minutes.
The performance can reach 25 minutes.

60%+

Performance time

-80%

Airfield space



6X

Safety protection

-70%

Human labour

Three Advantages

Efficiency

Simplify the complex

Expressive Performance

Born for live performance

Safety protection

Good watch prevents misfortune

How Crostars C5 defines a new standard for aerial performance



Traditional drone light shows can create impressive large-scale aerial displays. But they still have technical limitations in areas like quick response movements, smooth sound coordination, and creating fully immersive multi-sensory experiences.

- 25 minutes of performance time
- 38 minutes of hovering time
- Multiple fireworks effect modes
- Original material library
- High dynamic effect
- Integration of sound and visual effects

The Power of High-Dynamic Animation Creation

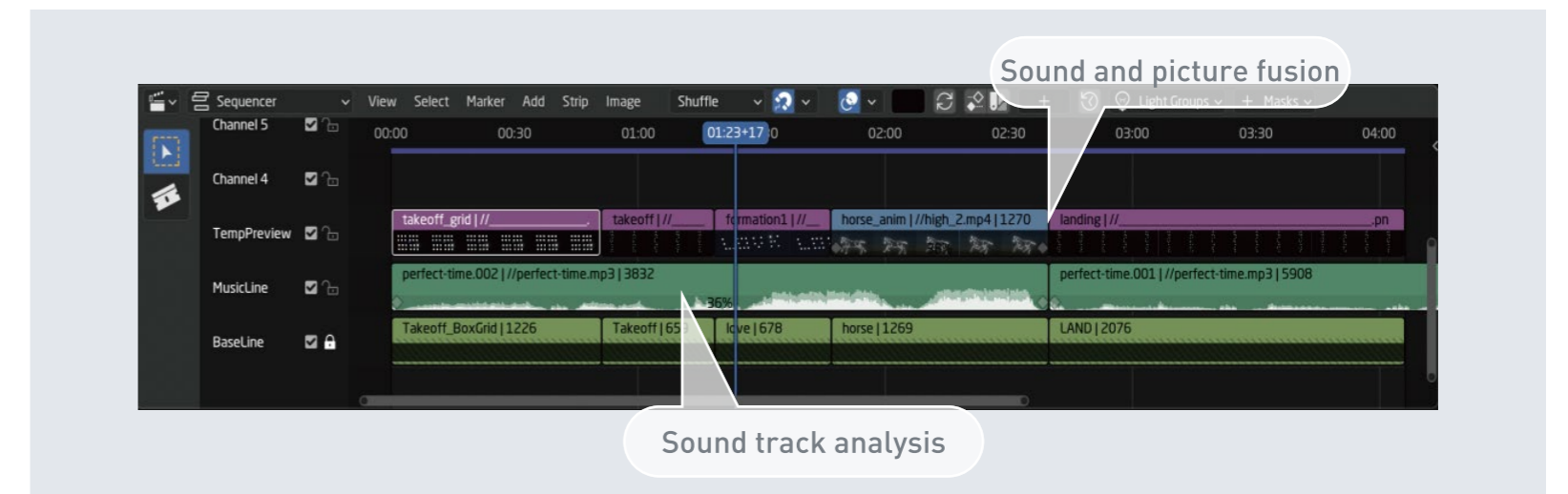
The Crostars C5 delivers breakthrough high-dynamic animations for live shows without pre-rendering. Its dance-step tools and automated model calculations create precise, high-speed aerial effects with real 3D model projection.

Featuring dual GPS+BDS & RTK positioning with inertial navigation and visual sensors, the system achieves millimeter-level flight precision for unmatched control during dynamic performances.

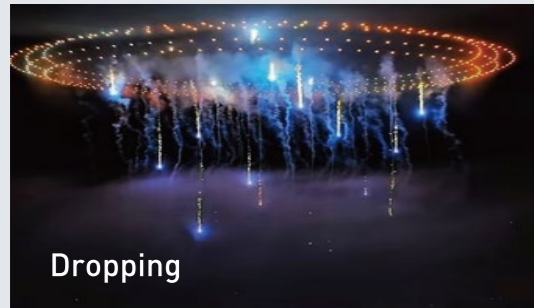


Sound and light frame level synchronization

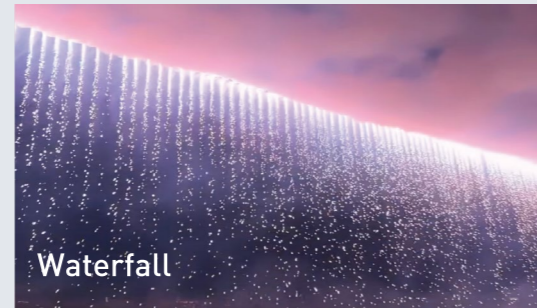
Crostars C5 offers frame-accurate synchronization by linking audio waveforms with visual animations. This ensures perfect timing between sound effects, lighting, and drone movements.



“Dance With Firework”



Dropping



Waterfall



Fountain



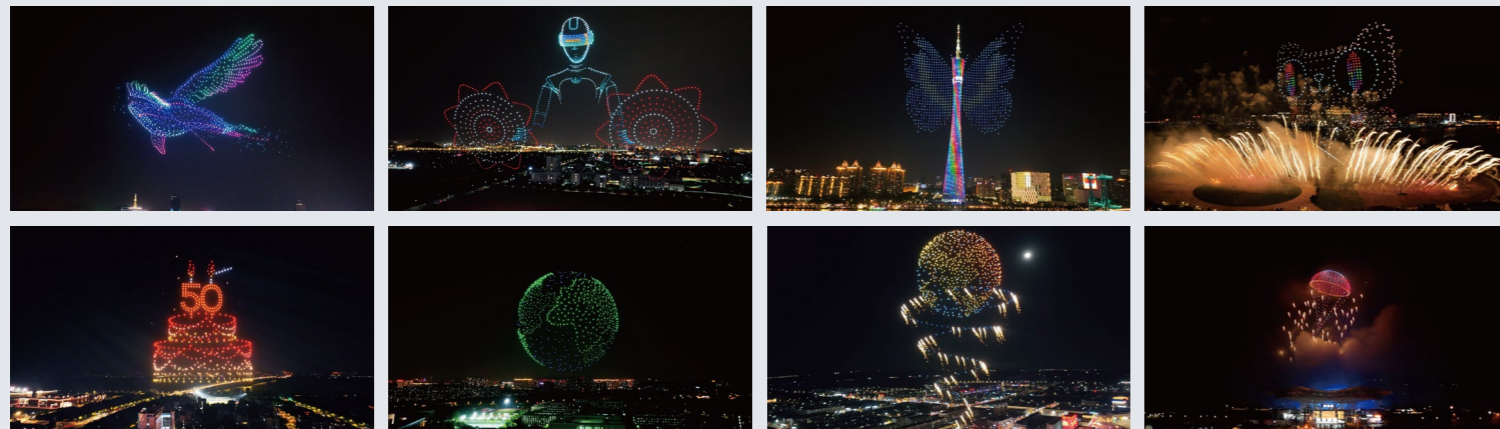
Rotating

Firework Effects

This smart system transforms traditional fireworks through advanced technology. It merges centuries-old pyrotechnic artistry with modern light control, creating entirely new visual possibilities.

Design Without Limits

Crostars C5: Professional drone show software with 1000+ pre-built animations and cross-platform support for easy aerial show creation.

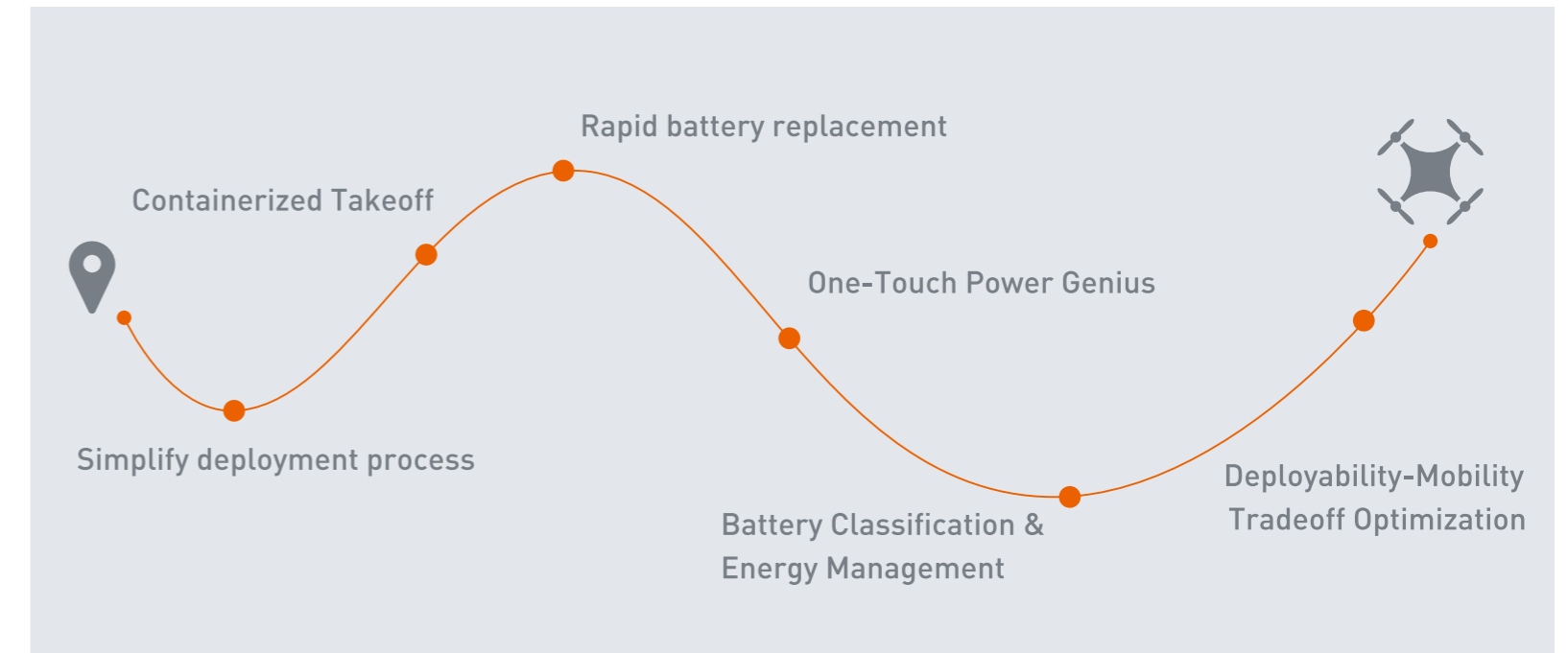


Ultra-long flight time

- 4800mAh battery enables 25-min continuous flight
- 38 minutes of hovering time
- Outlasts competitors' 15-min limit
- Uninterrupted shows with full visual effects

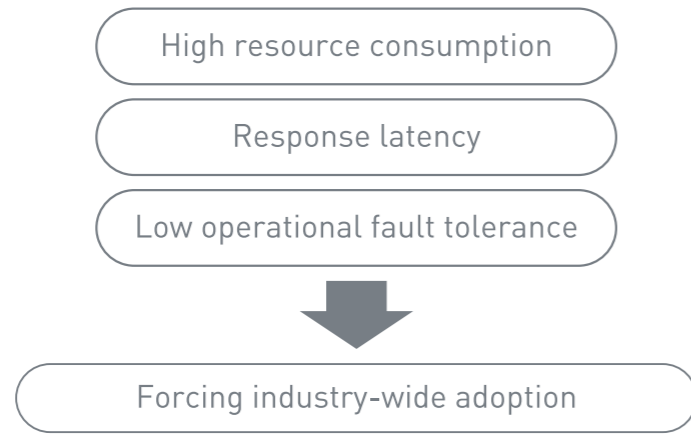


Crostars C5's 6 Core Efficiency Advancements



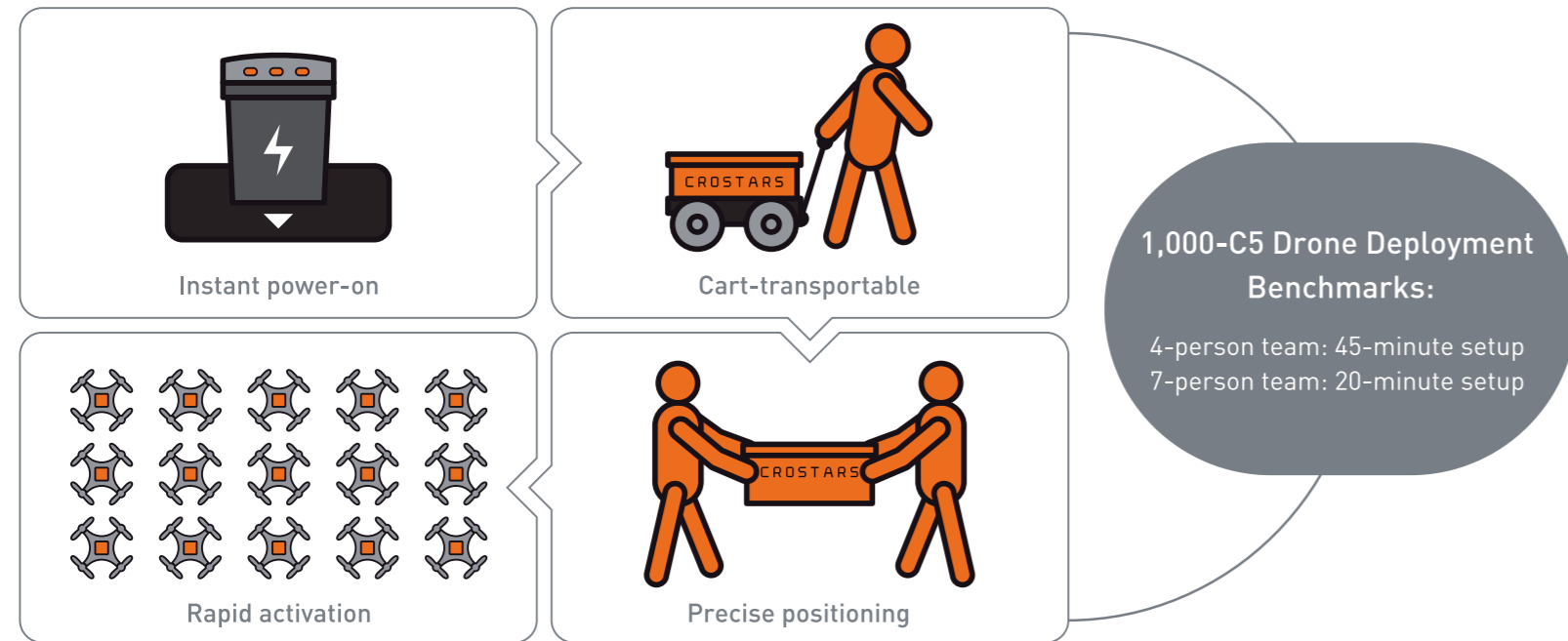
Drone Shows Scaling to 10,000+ Units

Three challenges for manual deployment



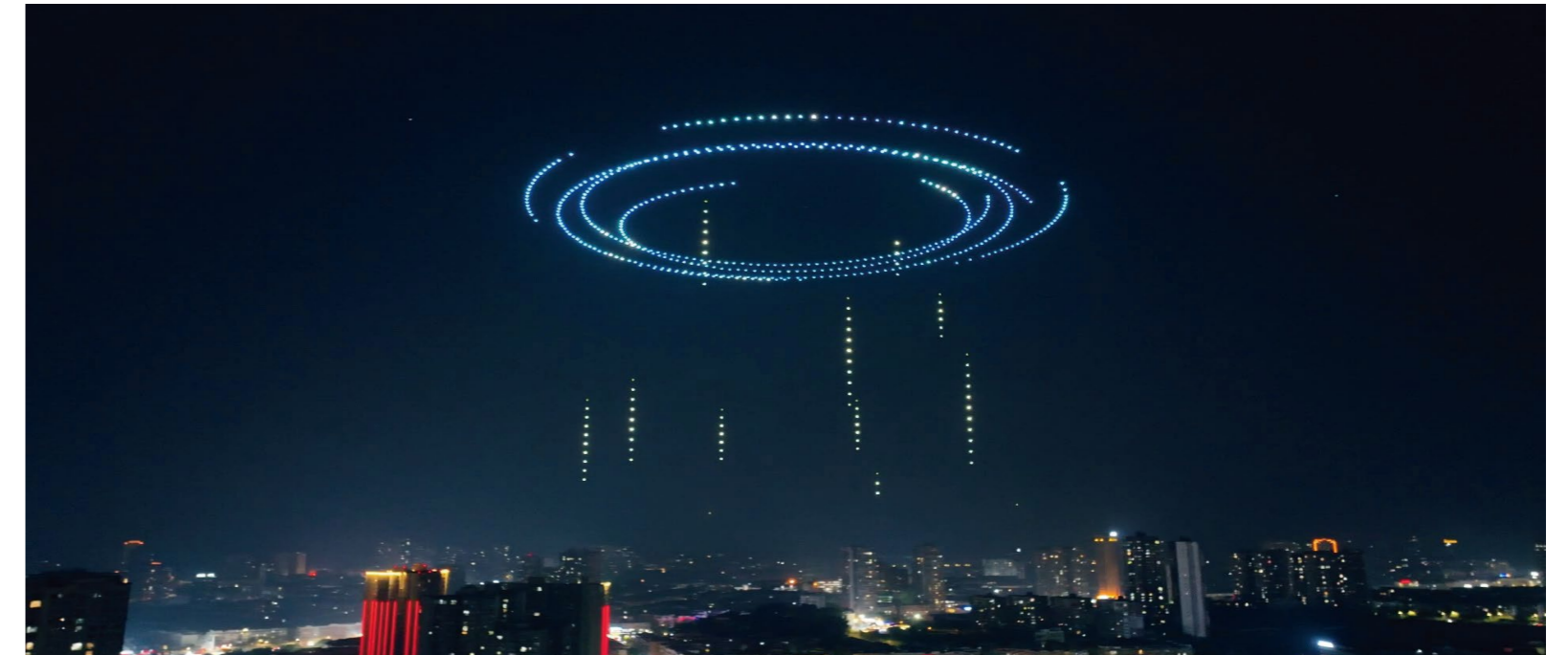
Crostars C5 Streamlines Deployment

- 4-person team can deploy 1,000 drones
- Redefined setup process for efficiency



Containerized Takeoff System-80% more space-efficient

- Space-saving:** 200m² for 1,000 drones (vs 1,000m² conventional)
- Fast setup:** Automated launch from containers, no manual placement
- Precision:** 0.3m spacing with multi-level takeoff (1-12 altitude levels)
- Adaptable:** Works on slopes (15°), beaches, mountains

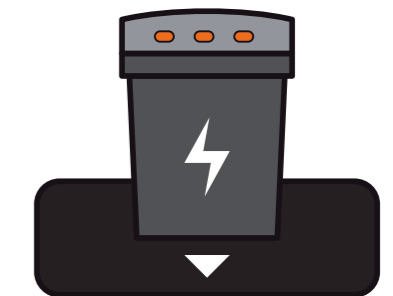


"Hot-Swappable Batteries - Unlimited Performances"

20-minute turnover between performances

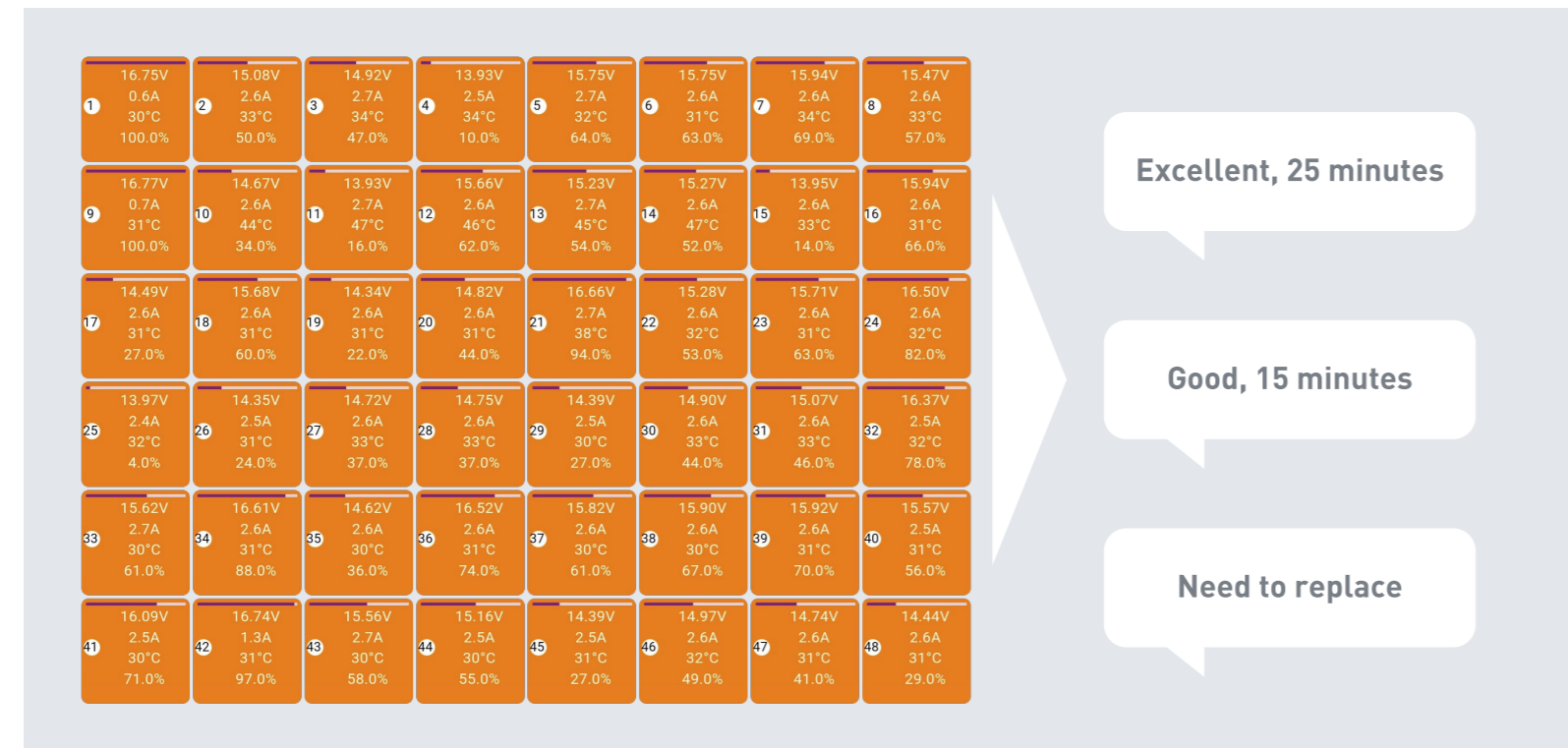
One-Touch Power Genius

Crostars C5 features centralized power management with remote on/off control and an emergency kill switch, enabling single-command fleet activation and instant power cutoff for enhanced safety. This system reduces setup time by 50% compared to manual operations while ensuring reliable emergency protection during performances.

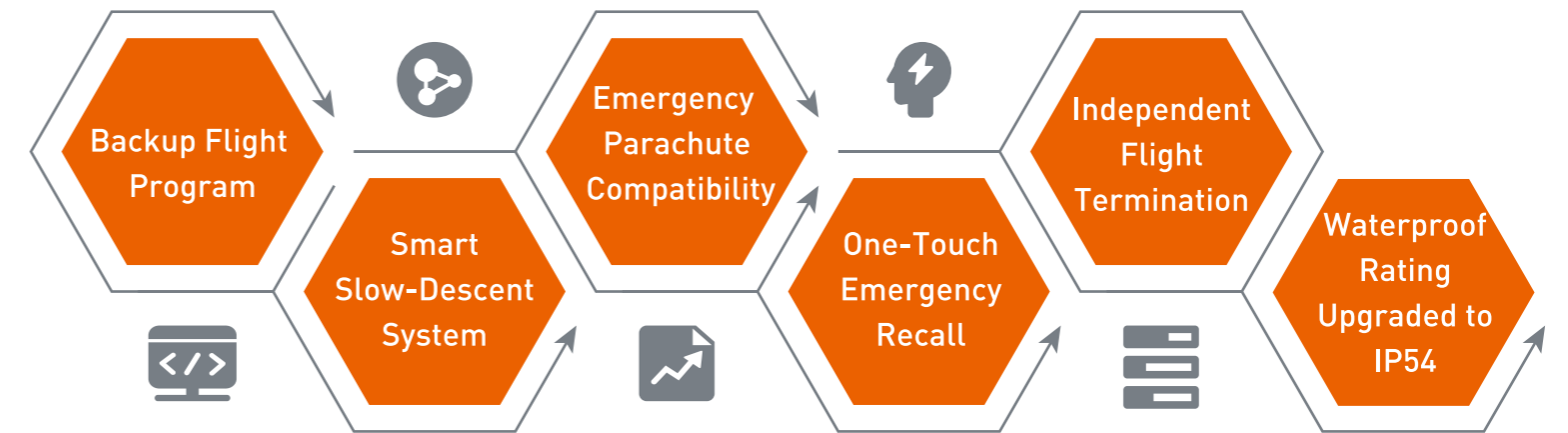


Smart Battery Management System

The power management system monitors battery status in real time during charging and categorizes them accordingly.



Crostars C5: 6 Key Safety Enhancements



Key Drone Show Safety Risks: Weather Factors or Magnetic field

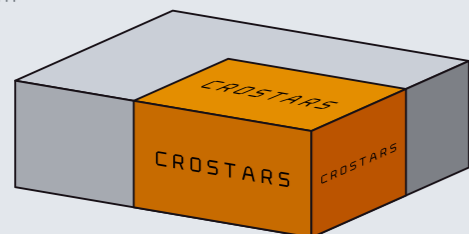
Cost-Efficient Transport

Crostars C5 transport box size

1240*850*285 mm

Other Brands' Case Dimensions

1350*825*587 mm



Crostars C5 12 Drones/Per Box

A 5.2-meter truck can transport 1,000 drones at a cost of 200 RMB per 100km.

Other brand 6 Drones/Per Box

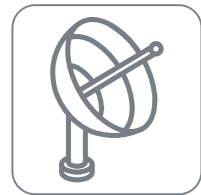
Four 5.2-meter trucks are needed to carry 1,000 machines, with a 100 km transport cost of 800 RMB.



Crostars C5 Safety System: Proven Protection

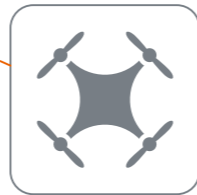


Reliable Safety Systems for Secure Operations



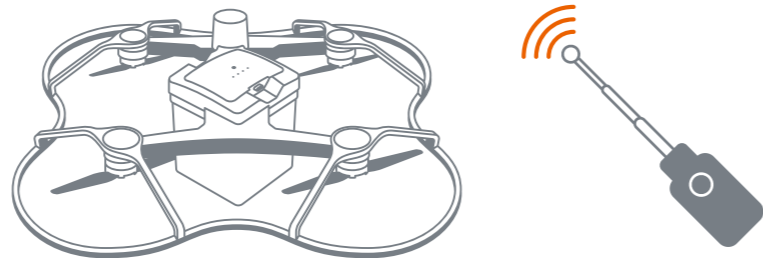
One-touch emergency recall brings all drones back safely during extreme weather or signal interference.

TOF and visual sensors trigger automatic slow descent in emergencies for safer landings.



Certified Flight Termination System

- Secure Remote Termination Independent cutoff system with encrypted controls
- Global Compliance Meets:
 - China GB 42590-2023
 - U.S. ASTM F3411/F3586
 - EU prEN 4709-002
- Remote ID Ready



Emergency Performance Mode for Unstable Weather

Crostars C5 automatically switches to pre-approved low-altitude routines to safely complete shows if weather changes mid-performance

Conditions for Activating the Backup Performance Program

- Large audience gathered
- Wind speed between 8–14 m/s
- Drones fully deployed

Backup Performance Program Features

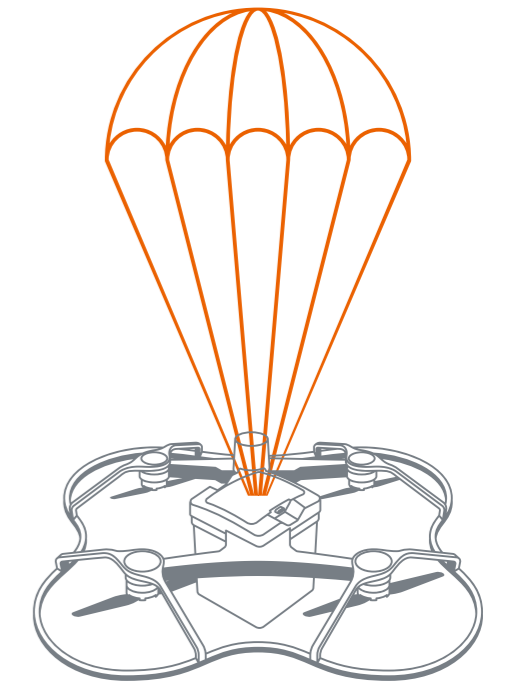
- Automated audience alerts during contingencies
- 5-minute max shortened performance
- 2m minimum drone spacing at 3m/s speed
- Activates from control panel or media library

Integrated Parachute Safety System

Crostars C5 is compatible with parachutes and provides safety protection in extreme situations.

Parachute Activation Conditions

- **Thrust Failure**
 - Motor stops
 - Tilt angle $\geq 80^\circ$ for 1 second
 - Descent speed > 5 m/s
- **High-Speed Impact**
 - Sudden collision detected ($\geq 5G$ acceleration)
 - Descent speed > 5 m/s
- **Battery Depletion**
 - Low battery + descent speed ≥ 9 m/s for 1 second



Crostars C5 - Next-Gen Drone Performance System

Provide a professional drone show system with certified safety, rapid 1000-drone deployment, and advanced animation tools for large-scale events in any environment.



Khanh Hoa Nha Trang Sea Festival - Vietnam



ULTRASEVEN 55th - Japan



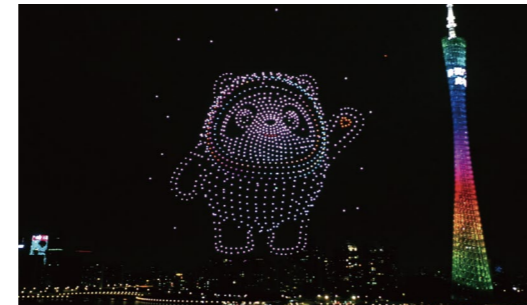
POP MART - HONG KONG



The IP of Provincial Games - Cheng Cheng



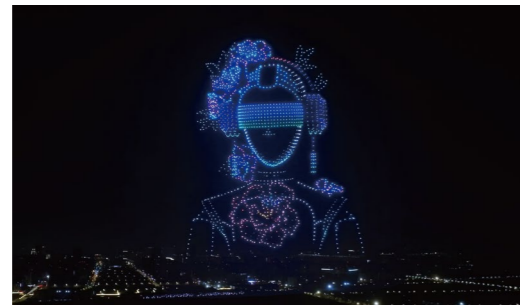
Genesis Motors China : Guinness World Records™



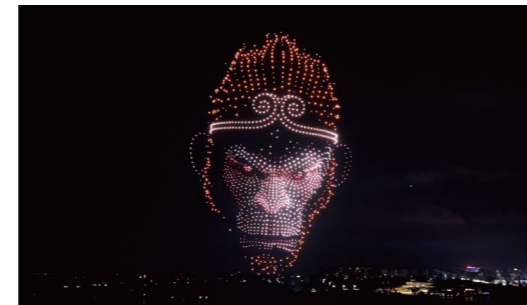
Bing Dwen Dwen



Chinese Fairy dances in the sky



Beijing Opera



Black Myth: Wukong

Reliable Performance in All Conditions

Wind Resistance
Withstands winds up to 12m/s

IP54 waterproof rating for reliable operation in light rain.

Operates at 3000m altitude on beaches, slopes, and mountain terrain

Temperature Tolerance
Performs in -10°C to 50°C

Product Specifications

Basic Parameters

Size	320*320*130mm
Wheelbase	220mm
Weight	630g
Positioning Mode	RTK (GPS/GNSS) /Vision
Positioning Accuracy	Millimeter-level
Recommended Show Duration	Within 25 minutes
Max Cruise Speed	8m/s (Swarm speed)
Max Wind Resistance	Level 6 (10.8 ~ 13.8m/s)
Emergency Descent	Vision (Selectable) + TOF Smart descent
Waterproof Level	IP54
Operating Temperature	-10°C~50°C
Max Lighting Power	24W

Communication System

Wifi Frequency Band	WiFi6; 2.4GHz/5.2GHz/5.8GHz
Other Wireless Communication	LoRa:850.125 ~ 930.125MHz; 433MHz (Restrictable)
Communication Distance	2km

Power System

Smart Battery	14.8V 4800mAh
Battery Box Charging Capacity	48 pcs
Power-On Method	Remote Batch Power-On

Storage&Transport System

Drone Box Capacity	12 pcs
Battery Box Capacity	24 pcs
Drone Box Size	1240*850*285mm
Battery Box Size	450*310*160mm