



Product Collection

- 🕒 **Next-Gen eVTOL Aircraft** – F15
- 🕒 **Long Endurance Patrol Unmanned Aircraft** – Shadow S3
- 🕒 **Unmanned Transport Helicopters** – Grey Whale G1
- 🕒 **SWARM**

Next-Gen eVTOL Aircraft



F15 Industry Flagship Edition



Aircraft Livery

Optional



5kg

Max Payload



100min

Max Endurance



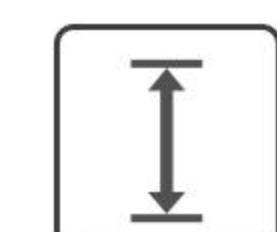
30km

Real-Time HD Video Transmission



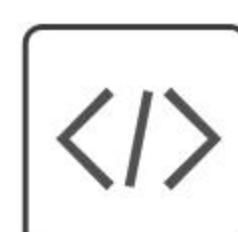
Level 8

Wind Resistance



7000m

Max Service Ceiling



Open Ecosystem

PSDK, MSDK, Cloud API

Overall Dimensions (Blades Excluded)

1710*407*525mm (Assembled)
887*407*525mm (Disassembled)

Communication Range

30km

Main Rotor Diameter

1971mm

Communication Frequency

1430-1444MHz

Maximum Take-off Weight

19kg

Wind Resistance

Level 8

Max Payload

5kg

Hovering Ceiling

7000m

Aircraft Weight

14kg (Including Battery)

Hover Accuracy

Vertical: ±2.0m (GPS)±0.1m (RTK)
Horizontal: ±1.5m (GPS)±0.1m (RTK)

Cruising Speed

50-70km/h

Max Climb/Descend Speed

4m/s

Maximum Horizontal Speed

100km/h

Operating Temperature

-20°C~+55°C

Maximum Endurance

100min (Unloaded)

Storage Temperature

-20°C~+45°C

Waterproof rating

IP54

Obstacle Avoidance Function

Support

*The parameter values listed on this page for the F15 are all measured in a controlled environment and may vary under different conditions.
Please note that actual experience may differ.

Supports Optional Aircraft Livery



Open Ecosystem

Provides PSDK, MSDK, and Cloud API
Supports third-party development
Quickly adapts to mainstream payloads like
EO cameras, LiDAR, and gas detectors



Rich Accessories



7-inch HD Tablet
Handheld Device



8.4-inch Industrial-grade
Remote Controller



Communication
Base Station



High-capacity
Intelligent Battery

Flight Safety

Aircraft Status Monitoring System



Multi-Sensor Redundancy



FPV Auxiliary Visual Perception



Smart Return-to-Home

In case of mission completion,
low battery, or loss of signal



Long Endurance Patrol Unmanned Aircraft

Efficiency Revolutionizes Innovation



Shadow S3



100min
Maximum
Endurance



15KM
Real-time HD
Video Transmission



Level 7
Wind Resistance



100km/h
Maximum
Flying Speed



AI Recognition
Target Tracking
and Recognition



Innovation
New Experience

Overall Dimensions 1221*157*442mm (Assembled)
536*237*332mm (Disassembled)

Main Rotor Diameter 1332mm

Maximum Endurance 100min

Wind Resistance Level 7

Maximum Take-off Weight 7kg

Hovering Ceiling 7000m

HD Video Transmission Distance 15km

Vertical: ±2.0m (GPS)
Horizontal: ±1.5m (GPS)

Maximum Horizontal Speed 100km/h

Hover Accuracy support

Cruising Speed 70km/h

Obstacle Avoidance Function

Aircraft Weight 6.6kg (with battery)

Maximum Climb/
Descend Speed 4m/s

Battery Weight 3kg

Storage Temperature -20°C ~ +45°C

Operating Temperature -20°C ~ +55°C

10X Laser Ranging POD

Visible / Infrared / Laser ranging / Tracking / Position acquisition



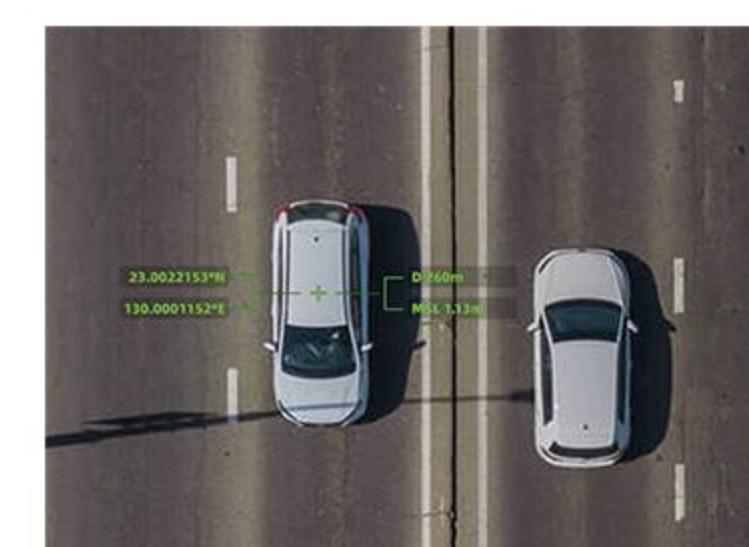
10X Enhanced optical zoom

Visible Light Sensor Parameters



Focal length: 25mm
Effective Pixel: 640*512

Infrared Thermal Imaging Parameters



1200m

Measuring Range



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EFFICIENT AND INNOVATIVE

100 Minutes of Flight Endurance

- A wide range of operations in a single sortie, reducing frequency of landings and battery replacement

NEW INTERACTION

From Solid to Flat - Simplify the Complex

- Full touch screen control, user-friendly UI, game-like control experience
- Easy to use, reduced risk of misoperation

Payload

10X Laser Ranging POD

Megaphone

Searchlight



10X Laser
Ranging POD



Megaphone + Searchlight

Accessories

Handheld Ground Control Station

Battery Box

Portable Backpack



Handheld Ground
Control Station



Battery Box



Portable Backpack

Industry Applications

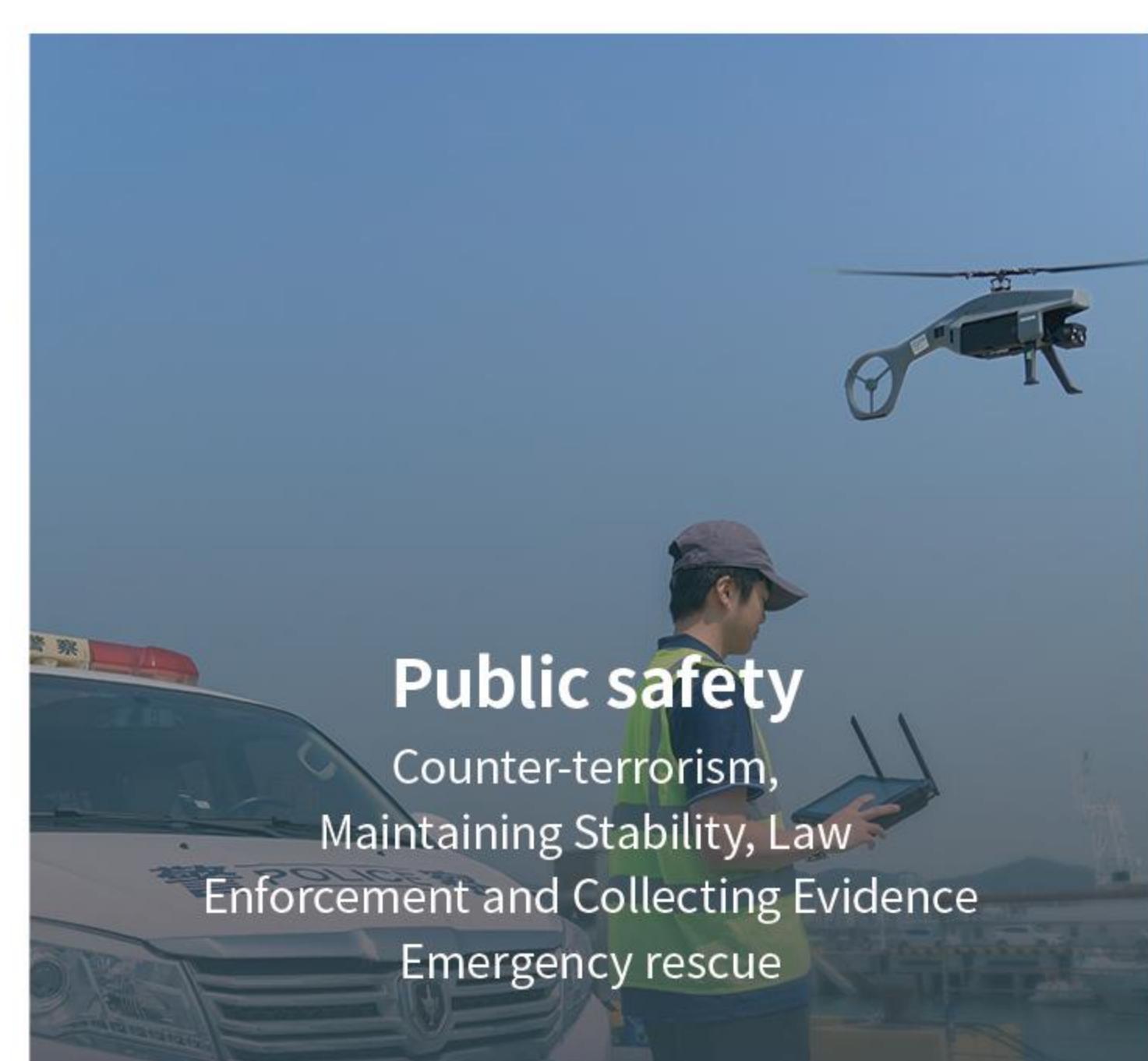
Make it your best work partner



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Electric Power Line Inspection,
Solar Panel Field Inspection,
Oil and Gas Inspection,
Wind Power Inspection,
Data Acquisition



Marine Applications
Marine Monitoring and Inspection,
Shoreline Mapping,
Marine Patrolling,
Marine Law Enforcement,
Coastline Inspection



Public safety
Counter-terrorism,
Maintaining Stability, Law
Enforcement and Collecting Evidence
Emergency rescue

SWARM



30

30 Drones

Max Nodes per Swarm



Single Control

Multi-Formation Capability

AI

Visual Guidance

Attacking Moving Targets



High Durability

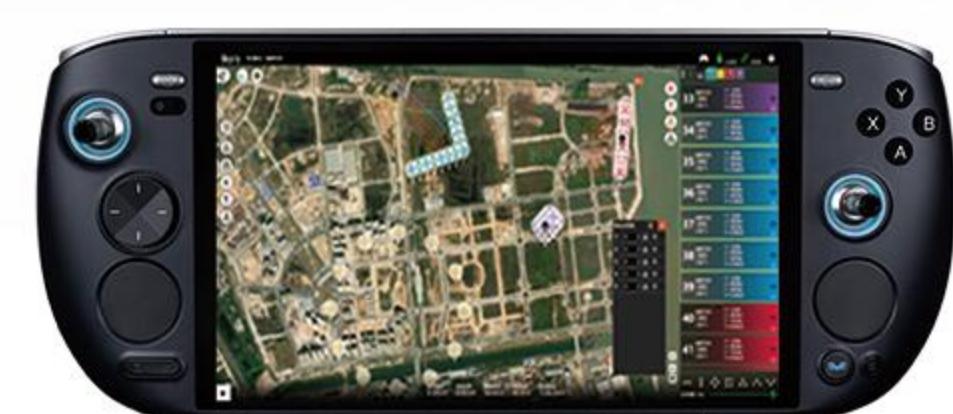
Auto-Replacement

F1-C Plus Flight Platform

Dimensions	Unfolded: 577*532*202mm Folded: 396*130*107mm
MTOW	4.6kg
Empty Weight	2.3kg (with battery)
Payload	2.3kg
Max Ascent Speed	10m/s
Endurance	45min (no payload)
Max Level Flight Speed	30m/s
Communication Range	6km
Service Ceiling	5200m
Frequency Band	1430-1444MHz
Wind Resistance	Level 6
Service Temperature	-10°C~+55°C

Ground Control Station

Screen Size	8.4 inches
Battery Capacity	75Wh(19500mAh)
Storage Capacity	16GB+512GB



Camera

Resolution	1920*1080
Lens	Optical Fixed Focus
Tracking Function	Supported
Detection Distance	Person: 100m, Vehicle: 300m
Recognition Distance	Person: 20m, Vehicle: 100m



Datalink Module

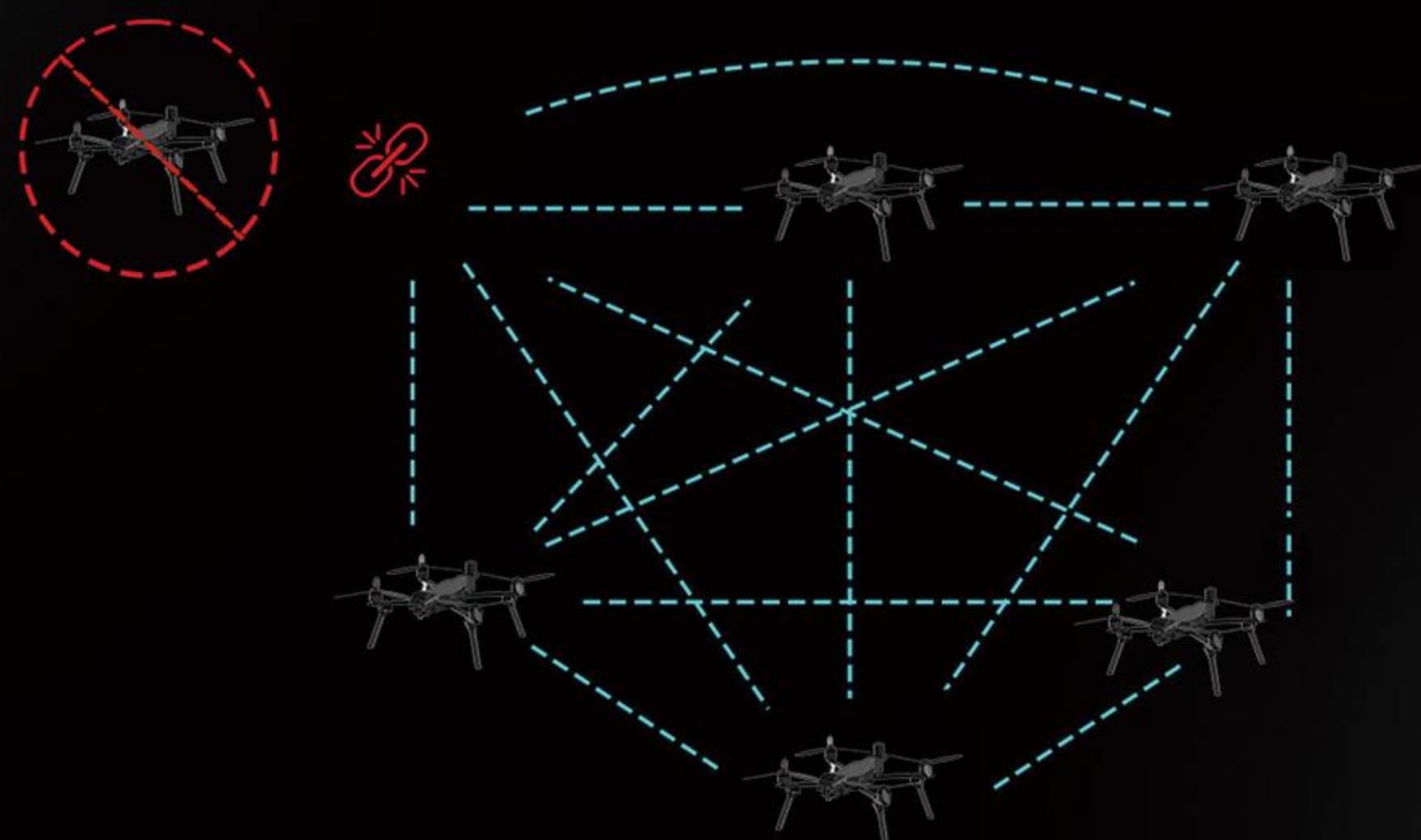
Communication Range	6km
Frequency Band	1430-1444MHz



Features and Advantages

Single-Operator Multi-Drone Control

Supports various formations that can be split or combined in real-time for different missions. In attack mode, execute commands with a single click, no path planning needed.



AI Target Recognition and Tracking

Enhanced by AI, supports autonomous target identification and continuous tracking, enabling visual guidance.



Support for Importing Coordinates from Other Devices

Support coordinate information of radar, from other drones or equipment and import to the swarm to improve the multi-domain cooperative combat features.

Unmanned Transport Helicopters



Grey Whale G1

**15KG**

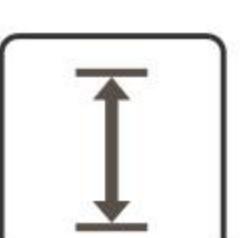
Payload

**30KM**

BVLOS Transmission

**40KM**

Flight Distance

**6000M**

Max Altitude

**Level 7**

Wind Resistance

**Parachute**

Emergency

Dimensions	Without rotor blade: 1997*523*639mm	Disassembled	Fuselage: 1106*490*639mm Tail Boom: 932*130*450mm
Main Rotor Diameter	2275mm	Communication Range	30KM
Max Take-off Weight	45kg	Communication Frequency	1430-1444MHz
Max Payload	15kg	Wind Resistance	Level 7
UAV Weight	30kg (with battery)	Max Service Ceiling	6000m
Battery Weight	6.6kg	Hover Accuracy	Vertical: ±2.0m (GNSS) ±0.1m (RTK) Horizontal: ±1.5m (GNSS) ±0.1m (RTK)
Cruising Speed	50-75km/h	Max Climb/Descend Speed	5m/s
Max Speed	90km/h	Operating Temperature	-10°C~+55°C
Endurance	65min	Storage Temperature	-20°C~+60°C
Flight Range	60km	Parachute	Support
Recommended Cargo Compartment Dimensions	External Dimensions: 600*400*253mm Internal Dimensions: 540*340*250mm		

Certified for Civil UAV Airworthiness

Ensuring operational safety and reliability

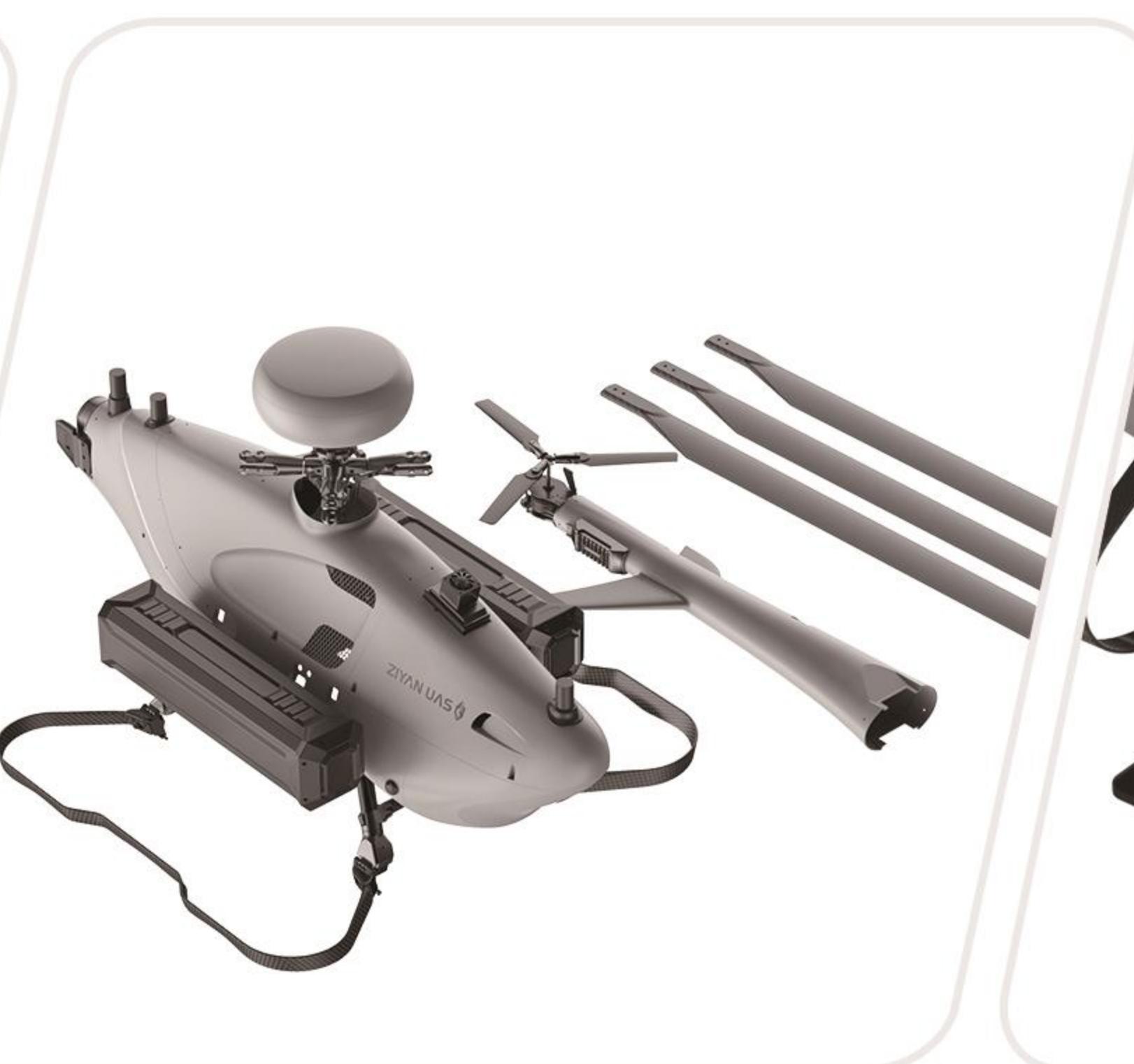


Robust performance, High-efficiency delivery



Three-Blades Configuration

Boost lift redundancy for improving stability, payload, and wind resistance.



Modular and Foldable

Dismantle modular fuselage and fold landing gear



Cargo containment and Winch

Support dual transport modes for versatile operations

*Open to third-party interfaces for seamless integration

Industrial Applications Make G1 Your Best Work Partner

