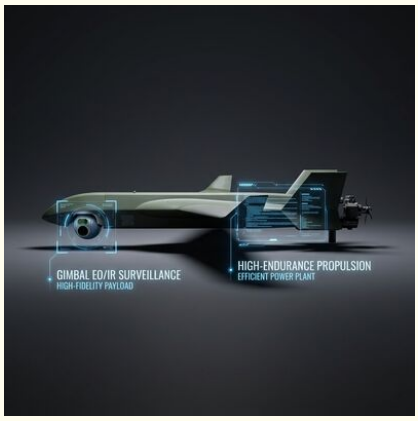
# Hybrid Gasoline-Electric H.07 VTOL Fixed-Wing Hybrid Surveillance UAV 2743mm Wingspan 20.7kg Payload 3405m Ceiling

Our Product Introduction

## Basic Information

- Place of Origin: China
- Brand Name: GS
- Certification: CE, FCC, ISO
- Model Number: H.07
- Minimum Order Quantity: 1
- Price: $25,000-$80,000
- Packaging Details: Custom flight case with shock-absorbing foam inserts and waterproof seal
- Delivery Time: 31 working days
- Payment Terms: L/C
- Supply Ability: 10




## Product Specification

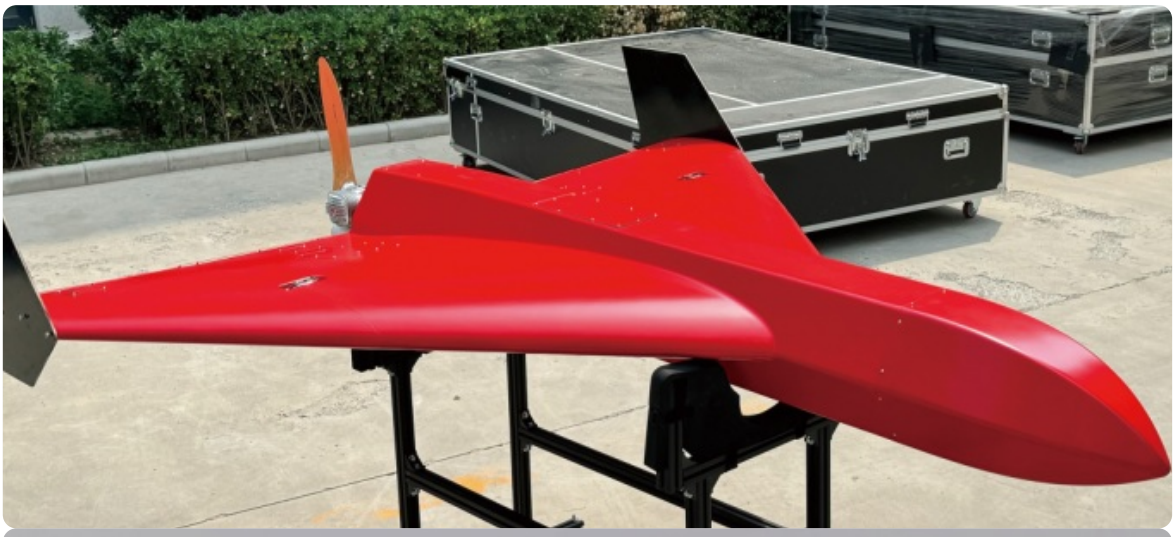
- Model: H.07
- Wingspan: 2743 Mm
- Length: 1800 Mm
- Airframe Material: Aviation Carbon Fiber Composite
- Engine: Hybrid Gasoline-Electric
- Payload: 20.7 Kg
- Take-off Mass: 76.8 Kg
- Cruise Speed: 40 M/s
- Endurance: 321 Min
- Max Range: 237 Km
- Altitude: 3405 M
- Protection Degree: IP65
- Temperature: -20°C ~ 50°C
- Wind Resistance: Take-off Level 4 / Cruising Level 6
- Launch Method: Catapult Launch

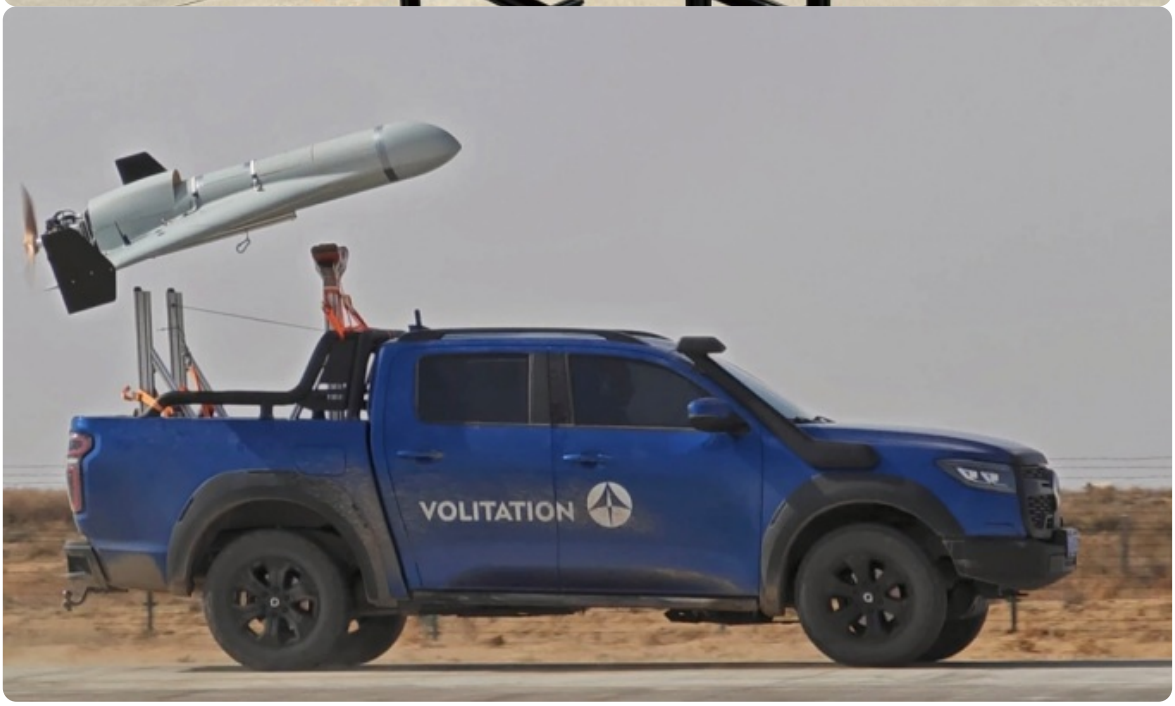
*Product Description*

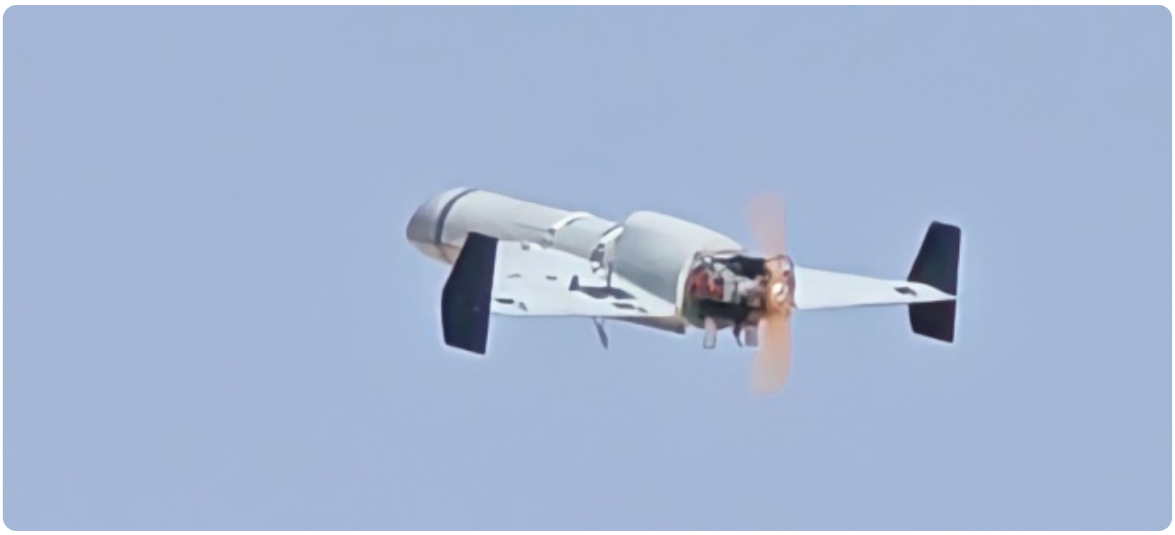
## H.07 Hybrid Surveillance UAV

The **H.07** is a high-performance hybrid gasoline-electric-powered VTOL fixed-wing unmanned aerial vehicle, engineered for **Coastal Surveillance**. Featuring a 2743mm wingspan and 20.7kg payload capacity, this UAV delivers exceptional 321-minute endurance and 237km operational range. The entire airframe is constructed from **aviation-grade carbon fiber composite**, ensuring an optimal balance of structural strength and lightweight portability.

Equipped with an advanced flight control system and modular payload architecture, the H.07 supports rapid mission reconfiguration. Its VTOL capability eliminates the need for runways, enabling deployment from confined spaces. The IP65 protection rating ensures reliable operation in challenging environmental conditions.







## Key Features

**Advanced VTOL Capability** – Vertical takeoff and landing without runway infrastructure, deployable from ships, rooftops, or compact terrain

**Full Carbon Fiber Airframe** – Aerospace-grade composite construction for 53.8kg lightweight design with industry-leading strength-to-weight ratio

**Hybrid Gasoline-Electric Power System** – Optimized for 321min continuous flight with efficient fuel/energy management and redundant safety protocols

**20.7kg Payload Capacity** – Modular bay accommodates EO/IR cameras, LiDAR, SAR radar, communication relays, and custom mission equipment

**237km Operational Range** – Beyond-line-of-sight capability with secure datalink and autonomous return-to-home fail-safe

**IP65 Environmental Protection** – Reliable operation in rain, dust, and extreme temperatures from -20°C to 50°C

## Specifications

| | |
|---|---|
| **Model** | H.07 |
| **Wingspan** | 2743 mm |
| **Length** | 1800 mm |
| **Airframe Material** | Aviation Carbon Fiber Composite |
| **Engine** | Hybrid Gasoline-Electric |
| **Payload** | 20.7 kg |
| **Maximum Takeoff Weight** | 76.8 kg |
| **Cruise Speed** | 40 m/s |
| **Endurance** | 321 min |

| | |
|---|---|
| **Max Range** | 237 km |
| **Service Ceiling** | 3405 m |
| **Protection Degree** | IP65 |
| **Launch Method** | Catapult Launch |

## FAQ

▼ **What missions is the H.07 best suited for?**

The H.07 is optimized for **Coastal Surveillance** operations, with its 20.7kg payload and 237km range making it ideal for extended-duration missions requiring reliable beyond-line-of-sight communication.

▼ **Can the payload configuration be customized?**

Yes, the modular payload bay supports rapid swapping between EO/IR gimbals, LiDAR scanners, multispectral cameras, SAR systems, and communication relay equipment based on mission requirements.

▼ **How does the VTOL transition work?**

The H.07 uses a seamless transition flight controller that automatically manages the conversion from vertical hover to fixed-wing cruise flight, requiring no manual pilot intervention during transition.

▼ **What training is required to operate this UAV?**

Basic operator training typically takes 3-5 days, covering mission planning, pre-flight checks, emergency procedures, and data post-processing. Advanced payload operation training is available separately.

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