

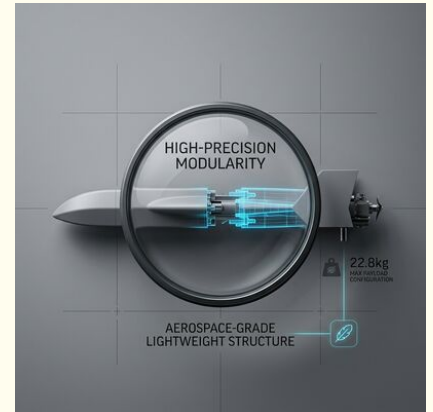


## Gasoline Engine E.07 VTOL Fixed-Wing Long-Endurance ISR UAV 4957mm Wingspan 22.8kg Payload 5121m Ceiling

Our Product Introduction

### Basic Information

- Place of Origin: China
- Brand Name: GS
- Certification: CE, FCC, MIL-STD, NATO
- Model Number: E.07
- Minimum Order Quantity: 5
- Price: Negotiable
- Packaging Details: Military-standard transport case with pressure equalization valve
- Delivery Time: 28 working days
- Payment Terms: T/T
- Supply Ability: 30



### Product Specification

- Model: E.07
- Wingspan: 4957 Mm
- Length: 2314 Mm
- Airframe Material: Aviation Carbon Fiber Composite
- Engine: Gasoline Engine
- Payload: 22.8 Kg
- Take-off Mass: 71.3 Kg
- Cruise Speed: 44 M/s
- Endurance: 692 Min
- Max Range: 1678 Km
- Altitude: 5121 M
- Protection Degree: IP67
- Temperature: -20°C ~ 50°C
- Wind Resistance: Take-off Level 5 / Cruising Level 7
- Launch Method: Catapult Launch

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## E.07 Long-Endurance ISR UAV

The **E.07** is a high-performance gasoline engine-powered VTOL fixed-wing unmanned aerial vehicle, engineered for **Maritime Patrol**. Featuring a 4957mm wingspan and 22.8kg payload capacity, this UAV delivers exceptional 692-minute endurance and 1678km 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 E.07 supports rapid mission reconfiguration. Its VTOL capability eliminates the need for runways, enabling deployment from confined spaces. The IP67 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 49.9kg lightweight design with industry-leading strength-to-weight ratio

**Gasoline Engine Power System** – Optimized for 692min continuous flight with efficient fuel/energy management and redundant safety protocols

**22.8kg Payload Capacity** – Modular bay accommodates EO/IR cameras, LiDAR, SAR radar, communication relays, and custom mission equipment

**1678km Operational Range** – Beyond-line-of-sight capability with secure datalink and autonomous return-to-home fail-safe

**IP67 Environmental Protection** – Reliable operation in rain, dust, and extreme temperatures from -20°C to 50°C

## Specifications

<b>Model</b>	E.07
<b>Wingspan</b>	4957 mm
<b>Length</b>	2314 mm
<b>Airframe Material</b>	Aviation Carbon Fiber Composite
<b>Engine</b>	Gasoline Engine
<b>Payload</b>	22.8 kg
<b>Maximum Takeoff Weight</b>	71.3 kg
<b>Cruise Speed</b>	44 m/s
<b>Endurance</b>	692 min

<b>Max Range</b>	1678 km
<b>Service Ceiling</b>	5121 m
<b>Protection Degree</b>	IP67
<b>Launch Method</b>	Catapult Launch

## FAQ

### ▼ What missions is the E.07 best suited for?

The E.07 is optimized for **Maritime Patrol** operations, with its 22.8kg payload and 1678km 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 E.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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