

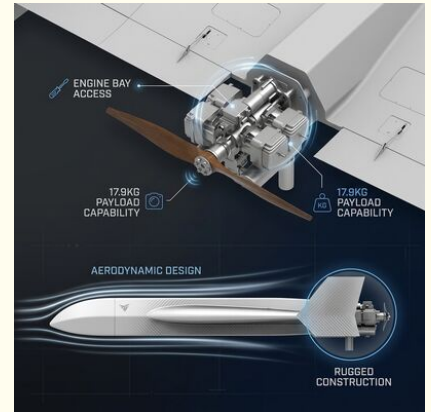


Hybrid Gasoline-Electric H.03 VTOL Fixed-Wing Hybrid Surveillance UAV 3120mm Wingspan 17.9kg Payload 4674m Ceiling

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: GS
- Certification: CE, FCC, ISO
- Model Number: H.03
- Minimum Order Quantity: 5
- Price: \$25,000-\$80,000
- Packaging Details: Aviation-grade protective foam case with reinforced aluminum outer shell
- Delivery Time: 59 working days
- Payment Terms: T/T, L/C
- Supply Ability: 50



Product Specification

- Model: H.03
- Wingspan: 3120 Mm
- Length: 1831 Mm
- Airframe Material: Aviation Carbon Fiber Composite
- Engine: Hybrid Gasoline-Electric
- Payload: 17.9 Kg
- Take-off Mass: 57.3 Kg
- Cruise Speed: 33 M/s
- Endurance: 465 Min
- Max Range: 205 Km
- Altitude: 4674 M
- Protection Degree: IP65
- Temperature: -20°C ~ 50°C
- Wind Resistance: Take-off Level 5 / Cruising Level 7
- Launch Method: Catapult Launch

for more products please visit us on uav-vtol drone.com

H.03 Hybrid Surveillance UAV

The **H.03** is a high-performance hybrid gasoline-electric-powered VTOL fixed-wing unmanned aerial vehicle, engineered for **Forest Fire Detection**. Featuring a 3120mm wingspan and 17.9kg payload capacity, this UAV delivers exceptional 465-minute endurance and 205km 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.03 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 40.1kg lightweight design with industry-leading strength-to-weight ratio

Hybrid Gasoline-Electric Power System – Optimized for 465min continuous flight with efficient fuel/energy management and redundant safety protocols

17.9kg Payload Capacity – Modular bay accommodates EO/IR cameras, LiDAR, SAR radar, communication relays, and custom mission equipment

205km 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.03
Wingspan	3120 mm
Length	1831 mm
Airframe Material	Aviation Carbon Fiber Composite
Engine	Hybrid Gasoline-Electric
Payload	17.9 kg
Maximum Takeoff Weight	57.3 kg
Cruise Speed	33 m/s
Endurance	465 min

Max Range	205 km
Service Ceiling	4674 m
Protection Degree	IP65
Launch Method	Catapult Launch

FAQ

▼ What missions is the H.03 best suited for?

The H.03 is optimized for **Forest Fire Detection** operations, with its 17.9kg payload and 205km 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.03 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.



Guangzhou Gesai Intelligent Electronic Technology Co., Ltd.



Kellyyangjing2021@outlook.com



uav-vtoldrone.com

Fuli Yingtong Building, the Pearl River New Town, Tianhe District, Guangzhou, Guangdong, China