



# *H300 - Firefighting Drone*



# H300

## FIREFIGHTING DRONE OVERVIEW

The H300 Firefighting Drone is designed for rapid and effective response in fire-fighting missions. Equipped with a robust structure, high-capacity payload system, and advanced control technology, the H300 delivers outstanding performance in diverse environments. With its high payload capacity, extended flight time, and reliable operation, it enables precise and efficient water or fire retardant delivery, supporting safe and effective fire suppression.



### HIGH PAYLOAD CAPACITY

Carries large volumes  
of water or fire  
retardant.



### EXTENDED FLIGHT TIME

Long endurance for  
continuous firefighting  
operations.



### PRECISE DELIVERY SYSTEM

Accurate release for  
effective fire  
suppression.



### RELIABLE & DURABLE DESIGN

Built for harsh conditions  
with stable and safe  
performance.



# H300 FIREFIGHTING DRONE

## WILDFIRE UAV | AERIAL FIRE SUPPRESSION DRONE

The H300 Firefighting Drone is engineered for rapid and efficient fire suppression in mountainous areas, grasslands, forests, and other challenging terrains.

Equipped with a release mechanism, targeting distributor, laser rangefinder, and four 25kg fire-extinguishing bombs, this drone delivers precise and effective fire control from the air.

With its high payload capacity and advanced targeting system, the H300 ensures accurate deployment of fire suppression agents, making it an essential tool for wildfire prevention and emergency response.

### PRODUCT FEATURES

The H300 Firefighting Drone excels in rapid deployment and autonomous operation, ideal for diverse terrains.



#### CONVENIENT TRANSPORT RAPID DEPLOYMENT

Easy transport by various vehicles, ideal for rough terrains and slopes. It can be deployed within 5 minutes, with flexibility to change flight paths mid-air.



#### AUTONOMOUS OPERATION

Designed for user-friendly, simple operation, it can be quickly mastered and requires minimal human intervention during flights.



#### EASY MAINTENANCE & COST EFFECTIVE

With standardized, modular parts, maintenance is straightforward, ensuring safe operation with regular replacements.



#### INTELLIGENT BLASTING CONTROL SYSTEM

Utilizes advanced control system for precise timing, height-based detonation, using LiDAR for accurate fire location, enhancing firefighting efficiency and accuracy.



#### HEAVY PAYLOAD & LONG FLIGHT TIME

The H300 has a maximum takeoff weight of 257KG, with an unloaded flight time of 45 minutes, allowing for various firefighting and rescue payloads.



#### HIGH-EFFICIENCY EXTINGUISHING BOMBS

Carries four 25kg bombs, covering an area of about 200–300m<sup>2</sup> per mission. It's effective in smoke suppression and cooling.

# H300 FIREFIGHTING DRONE

HIGH-RISE FIREFIGHTING. RAPID RESPONSE. MAXIMUM IMPACT.

The H300 Firefighting Drone is engineered for rapid and efficient fire suppression in mountainous areas, grasslands, forests, and other challenging terrains. Equipped with a release mechanism, targeting distributor, laser rangefinder, and four 25kg fire-extinguishing bombs, this drone delivers precise and effective fire control from the air.



## PRECISE TARGETING

Advanced targeting for accurate response



## HIGH PAYLOAD

Carries 4 × 25KG fire-extinguishing bombs



## HIGH RELIABILITY

Stable performance in extreme environments



## RAPID DEPLOYMENT

Designed for quick response and action



## COMPATIBLE FIRE EXTINGUISHING BOMBS

The H300 Firefighting UAV features an intelligent control system for precise extinguishing, carrying four 25KG water-based bombs to efficiently cover 200-300m<sup>2</sup> per mission.



### WATER-BASED FIRE EXTINGUISHING BOMB

The water-based fire extinguishing bomb is specially designed and developed for aerial firefighting operations, achieving the requirements of firefighting tasks in various terrains, large areas, and wide ranges through aerial explosion and spraying.

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### FIRE EXTINGUISHING BOMB DEPLOYMENT DEVICE

Made of 7075 aviation aluminum and carbon fiber material, making it sturdy, durable, and lightweight. Unique quick release design allows for installation and removal in just one minute. High-quality dual servo control enables single or dual mode release.

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# TECHNICAL SPECIFICATIONS



## 01 AERIAL PLATFORM

	4605 * 4605 * 990 mm
Dimensions (unfolded)	150 kg
Max. Payload	107.8 kg
Weight	107.8 kg
Max. Takeoff Weight	257.8 kg
Operation Height	≤ 1000m
Max. Altitude Limit	4500 m



## 02 FIRE-EXTINGUISHING BOMBS

Caliber	≤ φ 260 mm
Total Length of the Bomb	≤ 650 mm
Type of Fire Extinguishing Agent	ABC dry chemical or water-based extinguishing agent
Net Weight	≥ 25 kg
Extinguishing Agent Dispersion Radius	≥ 5 m
Coverage Area	≥ 50 m <sup>2</sup>
Safety Radius	≥ 20 m
Safety Arming Height	≥ 50 m
Safe Current	≤ 200 mA
Maximum Profile	≤ 350mm
Radio Proximity Detonation Height	0~6 Impact detonation
Total Weight	≤ 23kg



\* The parameters above are theoretical values, based on tests conducted under ideal conditions. Actual operation may result in deviations due to varying circumstances, so please rely on real-world testing data for accuracy.

# H300 HIGH-ALTITUDE OPERATION PERFORMANCE



## HIGH-ALTITUDE CAPABILITY

Engineered for stable flight and efficient operation in high-altitude and low-pressure environments.



## STRONG LIFT & STABLE HOVER

High power-to-weight ratio ensures strong lift capacity and stable hovering even at extreme altitudes.



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