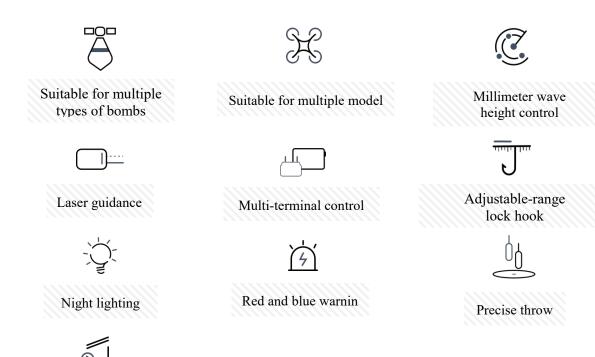# Multi-functional Adjustable-range Fire Extinguishing Bomb Throw System-MONOCEROS HT200

HT200 is a new product developed based on the various needs of drone-based fire extinguishing bomb throw sites. The industry's first distributed combination installation of functional modules and three-track adjustable-range design greatly improves the compatibility of the product with flight platforms and various types of fire extinguishing bombs. At the same time, users can choose the required modules according to different task needs and freely combine them at both the endurance and functional ends. The equipment is composed of seven modules: control center, customized installation bracket, six-segment three-track adjustable-range throw module, millimeter wave ranging radar, laser guidance, lighting, warning, etc. The adjustable-range throw module is compatible with the products from the vast majority of fire extinguishing bomb manufacturers, avoiding the problem of poor compatibility with traditional products. Equipped with millimeter wave radar, it can penetrate thick smoke and flames at a height of

120 meters and accurately measure the height above the ground. Combined with a laser guidance module, it can quickly lock the target position and ensure the effectiveness of use.

HT200 can be equipped with high-power matrix lighting and flashing lights to meet the needs of various complex environments. Customized installation brackets are compatible with various large drones without changing the product structure, fully tapping into the potential of users' existing drones. Operators can remotely control the system through a remote controller, and can also cooperate with the Bytech C150 near-field synchronization system to redefine the relationship between flight operators and decision-makers, ensuring work efficiency while greatly reducing the workload of operators. It opens up a new path for aerial applications in the field of fire emergency, effectively ensuring the people's lives and property safety.

Suitable for multiple types of bombs	Suitable for multiple model	Millimeter wave height control
Laser guidance	Multi-terminal control	Adjustable-range lock hook
Night lighting	Red and blue warnin	Precise throw
Hook detachment detection		

Product Parameters

Device host

Name	Multi-functional Adjustable-range Fire Extinguishing Bomb Throw System
Model	HT200
Supported model	DJI FlyCar30,etc
Operating temperature	-25℃ to 55℃
Storage temperature	-30℃ to 60℃

Control unit

Dimensions	114mm*102mm*55mm
Weight	210g
Input interface	Power supply *1, communication *1
Output interface	DJI Air Crane*1, Ranging Guide*1, Throwing Hanger*1, Matrix Light*4, 24V Output*1
Power supply mode	power supply by drone
Voltage	60V
Communication system	DJI Link, 4G
Control method	DJI remote control, BY handheld remote control, BY platform, BY applet
Control distance	consistent with drone link
IP Grade	IP54

Throwing Hanger

Dimensions	460mm*250mm*300mm
Weight	2.3kg
Number of throwing segments	6
Control method	Electric, manual
Maximum load per hook	30kg
Throw	Single hook throws, left side throws, and centre throws, Right side throw, all throws

Decoupling detection	support
Number of Supported Missiles	25L*1、10L*2、6.5L*4
Mounting distance adjustment	support

O Laser guidance and ranging

Dimensions	120mm*64mm*41mm
Weight	232g
Ranging method	millimetre-wave radar (MWR)
Measuring distance	≤120m
Quick disassembly	support
Laser colour	red light
Power consumption	4W

O Lighting loads

Dimensions	162mm*40mm*27mm
Weight	110g
Voltage	24V
Current	3A
Power consumption	55W、100W
Angle of light	60°
Luminous flux	6000LM
Lighting distance	150m
Lighting Mode	Normal brightness, support brightness adjustment (stepless)
Material	aluminium alloy, plastic
Quick disassembly	support

O Warning load

Dimensions	162mm*40mm*27mm
Weight	110g
Voltage	24V

Current	3A
Power consumption	36W
Angle of light	60°
Flashing distance	300m
Bursting Colour	red, blue, yellow
Warning mode	Streaming, breathing, flashover, etc.
Material	Aluminium alloy, plastic
Quick disassembly	support

Product Characteristics

◎ Multi-terminal remote control

With the help of various control methods such as drone remote controller, Bytech near-field synchronization system, handheld remote controller, mini program, and cloud platform, it is able to achieve safe remote collaboration among multiple people in complex scenarios, ensuring efficient execution of fire emergency operations.

◎ Suitable for multiple modelsand compatible with multiple types of bombs

This device can meet the needs of multiple models by replacing different racks. Its unique movable hook lock design is compatible with many different types of fire extinguishing bombs on the market, ensuring high compatibility and adaptability.

◎ Quick replacement and assembly and quick transition

It adopts an independent modular expansion design, which enables the quick installation of other functional equipment based on user needs,

improving the transition efficiency of multi-scenario operations.

◎ Multi-functional expansion of millimeter wave height control and laser indication

The millimeter wave height control sensor, due to its ability to effectively penetrate smoke and flames, combined with physical laser indication, can achieve high-precision and intelligent throw.

◎ Unique three-track adjustable-range six-segment hook lock

To meet the multi-scenario operation needs of customers, the product can be freely adjusted with a maximum six-segment hook lock, and can be controlled in an orderly and disorderly manner for multiple scenarios as desired.

◎ Night lighting and warning

According to customer needs, the product can be equipped with night matrix lighting and red and blue flashing lights to ensure the safety of equipment and personnel, and provide strong support for customers' operations at night.