

Multi-functional four-stage thrower

MONOCEROS HT5/HT5 PRO



HT5/HT5 Pro Series represents our latest generation of multi-stage airborne deployment equipment, controllable via drone remote controllers, standalone remote controllers, or onboard buttons. The device integrates deployment, amplification, warning, and anti-vibration functions into one unit. Its all-in-one design minimizes interface usage, freeing up aircraft resources. The innovative quick-release amplification module can be freely installed or removed based on field requirements. Remote control enables electric pitch adjustment from $+30^{\circ}$ to -60° , ensuring precise coverage of the sound field. It supports four-stage random deployment release, combined with a maximum sound pressure of 120dB and a warning distance of 300m, guaranteeing operational safety on-site. The standard flight baffle can be installed at any time, effectively reducing the sway of transported items and improving delivery efficiency. The HT5's modular design delivers multi-functional versatility while enabling flexible configuration of both capabilities and endurance. This reduces the burden of frequent module swaps, allowing it to adapt to a wider range of field requirements.



Red and blue
warning



Four-stage
throw



Modular sound
amplification



+30° to -60°
electric pitch



Anti-swing
module



Multi-device
control



Uncontrolled
deployment



Quick-release
installation

Product Parameters

○ Device host

Name	Multi-functional Four-stage Thrower
Model	HT5/HT5 Pro
Dimensions	89*74*70mm
Weight	220g±10g
Power	39W
Input	DC13.6-24V 4A
Electrical Interface	DJI SkyPort、E-Port、 OSDK
4G Communication	Support
Storage	SD card
Control Method	Drone Remote Controller, Standalone Remote Controller, Onboard Controls, Mini Program, SkyStar Platform
Control distance	Consistent with the drone link
Maximum load capacity	15kg
Number of segments to discard	4 sections
Deployment Mode	Orderly deployment, disorderly deployment, one-click full deployment
Response time	0.1S

Limit stop	Support
Strobe Light	Red, Blue
Power of strobe light	16W
Warning Distance	300m
Call out	Support
Protection Rating	IP54
Supported Models	Matrice 300/350 RTK、 DJI Matrice 400
Material	Aluminum alloy, ABS
Installation Method	Quick Release
Operating Temperature	-25°C to 55°C
Storage temperature	-30°C to 60°C

○ Amplifier Module

Dimensions	63×59×129mm
Weight	122g±5g
Head swing angle	-60°~+30°
Speaker Power	30W
Public address system	Live announcements, recorded uploads, audio files, text-to-speech
Maximum Sound Pressure Level	120dB (at 1 meter)
Broadcast range	300m
Material	ABS
Installation Method	Hand-tightened screw

○ Remote control

Dimensions	134*57*41mm
Screen size	1.3-inch full-color
Battery capacity	3.7v 2000mAh
Battery life	3h
Weight	120g±5g
Material	ABS

Communication Methods	4G
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○ Limit stop

Dimensions	209*120*197mm
Weight	158g±5g
Material	Aluminum alloy
Installation Method	Hand-tightened screw

Product Characteristics

○ Multiple control methods

The product supports three control methods, which are aircraft, handheld remote controller, and airborne buttons, to meet various onsite needs such as BVR (Beyond Visual Range), twoperson mode, and goods filling.

○ Multi-function integration

Combines functions such as throwing, amplification, warning, and anti-vibration.

○ Unique quick-release amplification module with precise angle adjustment for operation

Featuring modular, quick-release amplification modules with 30 ° forward and 60° rear electric tilt, ready for immediate deployment upon installation.

○ Four-stage throwing at will

Four-stage throwing unit design supports ordered, disordered, and one-click throw functions with precise release and doubled efficiency.

○Standard quick-release device and anti-swing module

The effect of the quick-release limit baffle can effectively avoid the swinging of objects during flight; restricted throw ensures flight safety and delivery efficiency of the drone.

○Standard handheld remote controller

Based on 4G network transmission, regardless of distance limitations, the independent remote controller can achieve full function control and perfectly adapt to the two-person mode.