



**PT2**

**MULTI-USE DROP KIT**

PT2 MULTI-USE DROP KIT is a multi-functional airdrop device developed based on DJI PSDK, which is suitable for DJI original gimbal and weighs only 250g. It supports DJI PILOT APP control. It can be used as a 2 segment airdrop or cooperate with the take-up reel to realize rope retraction and release. In case of emergency, and to protect the device and drone, it can drop the reel quickly with one key. It is suitable for DJI Matrice M300 series.

2.1  
or  
1

2drop segment/1 reel rope



2.5Kg



Sykyport interface



DJI PILOT control

\* With the Matrice M300 RTK single gimbal model, the maximum weight that can be mounted is 2.5kg.

## Function

### - On-site detection

Two hooking positions, in any order, automatically identify the mounting position, and the Pilot APP can display the mounting status of each position in real time.

### - Drop in any order

Through the DJI Pilot APP control target, you can drop in the positions independently, and order is not limited. You can also cast all with one key, which is efficient and fast.

### - Simple operation

Through the Pilot APP control, the positive and negative rotation of the motor can be controlled with one key to retracting and releasing the rope. In case of emergency, the reel can be released with one key to avoid damage to the drone.



# Application

## -Fire Fighting

In the early stage of a fire, drones are more flexible than fire trucks and personnel. PT2 can be used to mount up to 2 fire extinguishing bombs at the same time, and reach the fire point in the shortest time. Through segmented delivery, the fire can be extinguished more accurately and effectively

## -Environmental detection

PT2 can be used together with cable tray to collect water and all kinds of needed samples. Drones can replace human to go to places difficult to reach for environmental detection.

## -Rescue

Time is life. The M300RTK can quickly carry medicines or lifebuoys to the scene, drop or rope drop to people who need rescue at the time.

# SPEC

Overall Parameters	
Product Name	PT2 MULTI-USE DROP KIT
Supported Aircraft	Matrice300 RTK Series
Dimension	88.8 x 58 x 75 mm
Interface	DJI SkyPort V2
Rated power	24W
Weight	250g
IP Rating	IP4X
Payload	
Section Num	2
Rope length	10m
Single load	Maximum 5kg, The actual load Subject to drone load
Total load	Maximum 10kg, The actual load Subject to drone load
Drop Function	Single-drop & Full-drop
Rope Function	One key lifting & One key release
Installation mode	Quick disassembly
Temperature Parameters	
Operating Temperature	-10°C-50°C
Storage Temperature	-20°C-60°C

# DJI SKYPORT

DJI SkyPort provides a standard interface for the development of the Payload SDK. This allows developers to integrate third-party equipment such as sensors and mechanical devices into DJI's advanced flight platform, realizing integrated control of hardware and software, and enriching flight operation functions. It is beneficial to expand the application of UAV to a broader field.