



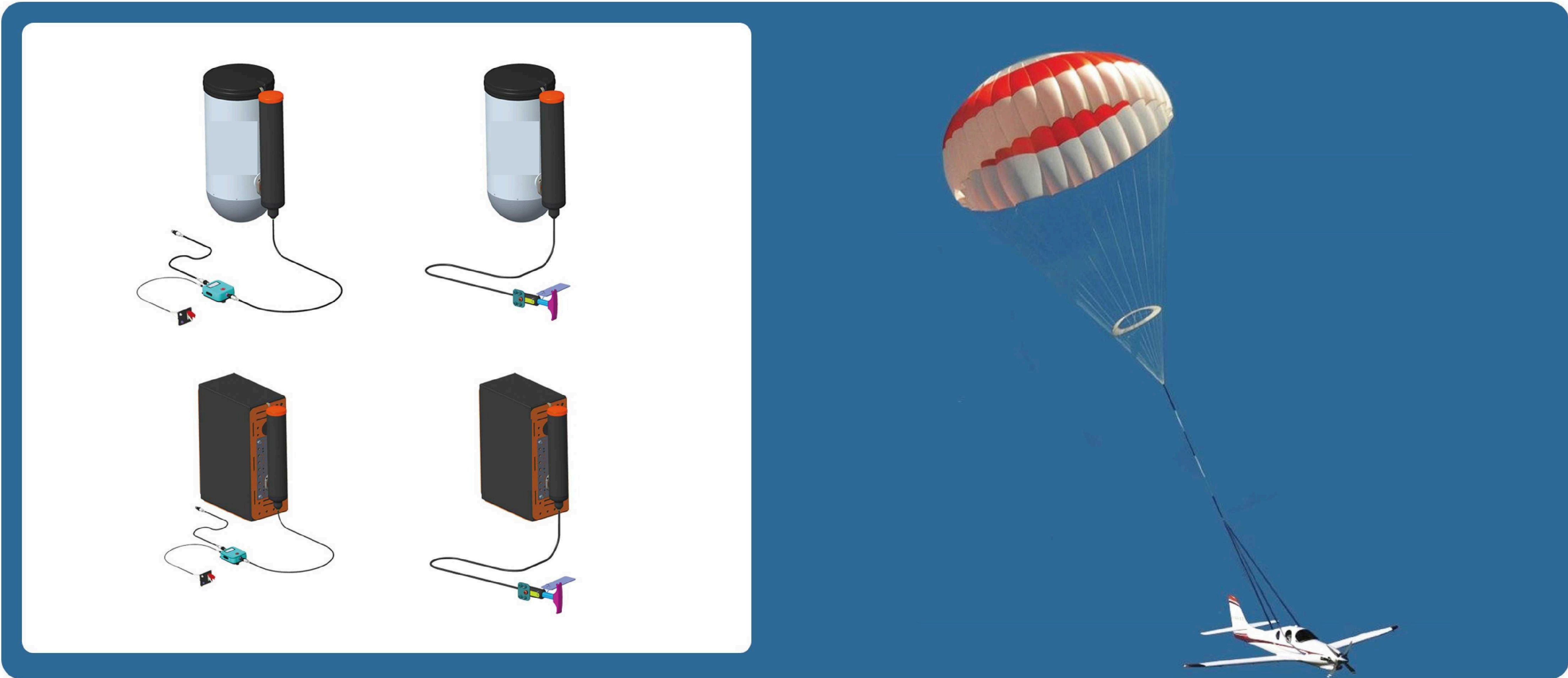
AIRCRAFT EMERGENCY PARACHUTE



DRONE PARACHUTE

Aircraft Emergency Parachute

T181 Aircraft Emergency Parachute System (High-Speed Fixed Wing)



Function

Equipped with an Electronic Control Unit (ECU) and a small-sized, ballistic rocket that can be electronically activated, the T181 aircraft emergency parachute is designed with ballistic ejection philosophy for deployment. In case of emergency, it has three modes of activation for deployment, ECU autonomous activation, Flight Control procedure activation through ECU, or manual activation. When activated, the parachute stowed in the aircraft will be withdrawn out of the storage container, and rapidly inflated with air to simultaneously bring the descending speed under control, ensuring aircraft to land at safe speed onto ground.

Characteristic

- Small size and lightweight
 - Short parachute opening time
 - Low opening overload
- High inflation reliability
 - Strong stability
 - Low stable descend speed



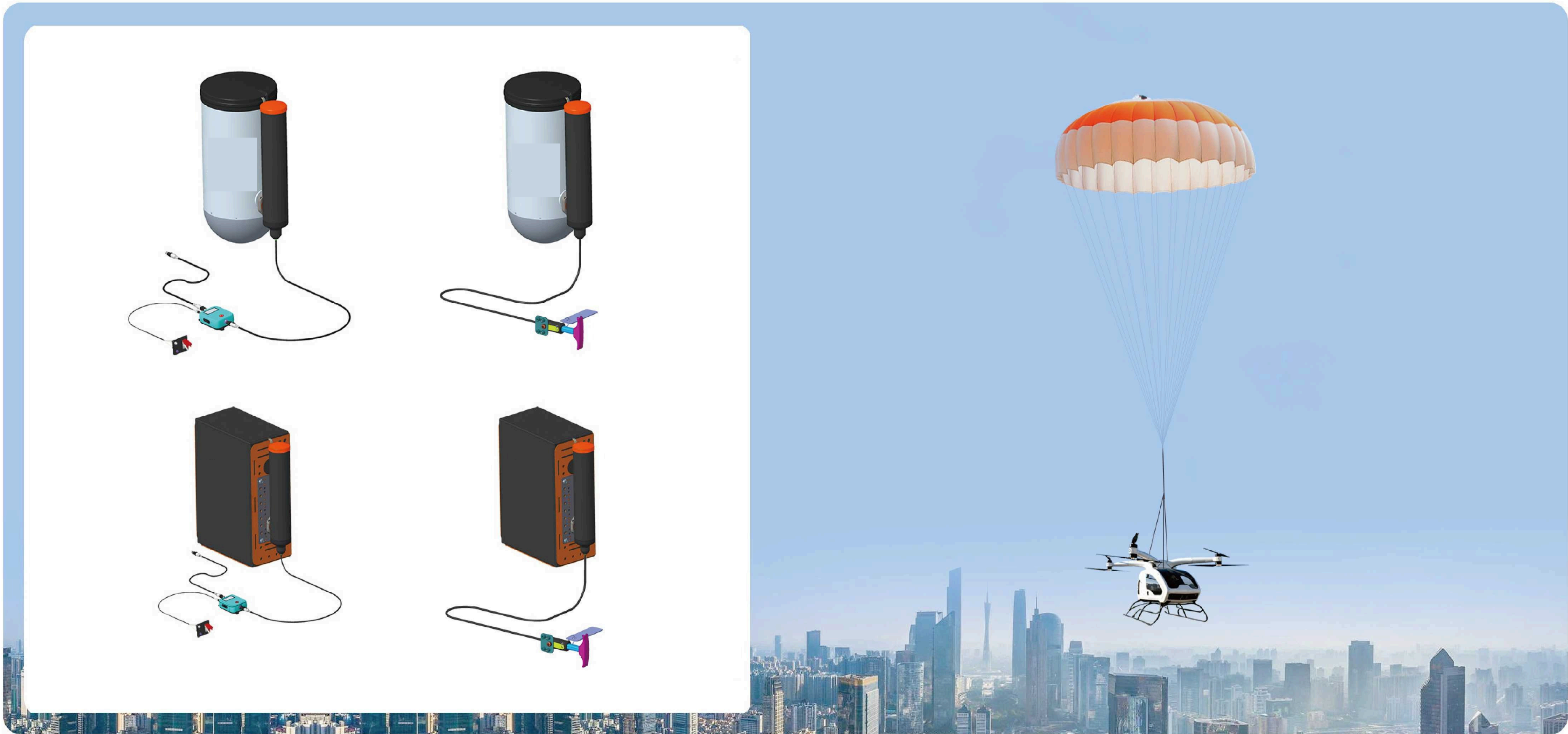
Technical Parameter

Type	T181-200	T181-350	T181-500	T181-650	T181-800	T181-950	T181-1100	T181-1250	T181-1400	T181-1550
Maximum System Capacity	200 kg	350 kg	500 kg	650 kg	800 kg	950 kg	1100 kg	1250 kg	1400 kg	1550 kg
Maximum Deployment Speed	222 km/h	222 km/h	222 km/h	222 km/h	222 km/h	222 km/h	222 km/h	222 km/h	222 km/h	222 km/h
System Weight	7 kg	8.5 kg	11 kg	13.5 kg	16 kg	18.5 kg	21 kg	23 kg	25 kg	28 kg
Canopy	35x20x12cm	30x25x15cm	35x25x15cm	42x25x20cm	46x28x25cm	47x30x25cm	50x30x25cm	55x30x26cm	56x32x28cm	58x38x30cm
Packing Method	Soft Cushion Packing	Soft Cushion Packing	Soft Cushion Packing	Soft Cushion Packing	Soft Cushion Packing	Soft Cushion Packing	Soft Cushion Packing	Soft Cushion Packing	Soft Cushion Packing	Soft Cushion Packing
Opening Time	3.5 s	3.5 s	4 s	4 s	5 s	5 s	5 s	6 s	6 s	6 s
Minimum Opening Altitude	80 m	80 m	100 m	100 m	120 m	150 m	150 m	150 m	150 m	150 m
Maximum Opening Overload	10.8 KN	19.3 KN	27 KN	35 KN	43.2 KN	51.2 KN	59.3 KN	67.4 KN	75.5 KN	83.5 KN
Maximum Descending Speed (Standard Temperature at 1500m)	7 m/s	7 m/s	7 m/s	7.3 m/s	7.5 m/s	7.5 m/s	7.6 m/s	7.8 m/s	7.9 m/s	7.9 m/s
Shape	Round Canopy Round Canopy Round Canopy Round Canopy Round Canopy Round Canopy Round Canopy Round Canopy Round Canopy Round Canopy									
Closing Device	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Canopy Area	40 m²	70 m²	100 m²	125 m²	145 m²	175 m²	210 m²	255 m²	280 m²	306 m²
Propeller	TR-1	TR-1	TR-1	TR-2	TR-2	TR-2	TR-2	TR-3	TR-3	TR-3
Total impulse (20C)	300 NS	300 NS	300 NS	500 NS	500 NS	500 NS	500 NS	700 NS	700 NS	700 NS
Reaction Time (- 40°C-+60°C)	0.8±0.2 s	0.8±0.2 s	0.8±0.2 s	1±0.2 s	1±0.2 s	1±0.2 s	1±0.2 s	1±0.2 s	1±0.2 s	1±0.2 s
Deployment Method	Flying-control activation Autonomic activation Manual activation	Flying-control activation Autonomic activation Manual activation	Flying-control activation Autonomic activation Manual activation	Flying-control activation Autonomic activation Manual activation	Flying-control activation Autonomic activation Manual activation	Flying-control activation Autonomic activation Manual activation	Flying-control activation Autonomic activation Manual activation	Flying-control activation Autonomic activation Manual activation	Flying-control activation Autonomic activation Manual activation	Flying-control activation Autonomic activation Manual activation
ECU Communications	CAN/PWM	CAN/PWM	CAN/PWM	CAN/PWM	CAN/PWM	CAN/PWM	CAN/PWM	CAN/PWM	CAN/PWM	CAN/PWM
ECU Working Temperature	-30~70°C	-30~70°C	-30~70°C	-30~70°C	-30~70°C	-30~70°C	-30~70°C	-30~70°C	-30~70°C	-30~70°C
Black Box	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
System Installation Service Life	6 Years	6 Years	6 Years	6 Years	6 Years	6 Years	6 Years	6 Years	6 Years	6 Years

*Customized service available.

Aircraft Emergency Parachute

T191 Aircraft Emergency Parachute System (Low Altitude Multirotor / eVTOL)



Function

T191 Aircraft Emergency Parachute is designed and developed for Low-altitude multi rotorcrafts, eVTOL's and other aerial vehicle applications. The system features a Electronic Control Unit (ECU) that has an interface with aircraft Flight Control System and enables data communication with Flight Control System. The emergency parachute has three activation modes available. In the event of emergency, It can be manually activated or activated through flight control procedure, or autonomously activated, When activated, the parachute stowed in the aircraft will be withdrawn and rapidly inflated with air to simultaneously bring the descending speed under control, ensuring aircraft to land at safe speed onto ground.

Characteristic

- Small & Lightweight
 - Short parachute opening time
 - Low opening overload
- High inflation reliability
 - Strong stability
 - Low stable descend speed



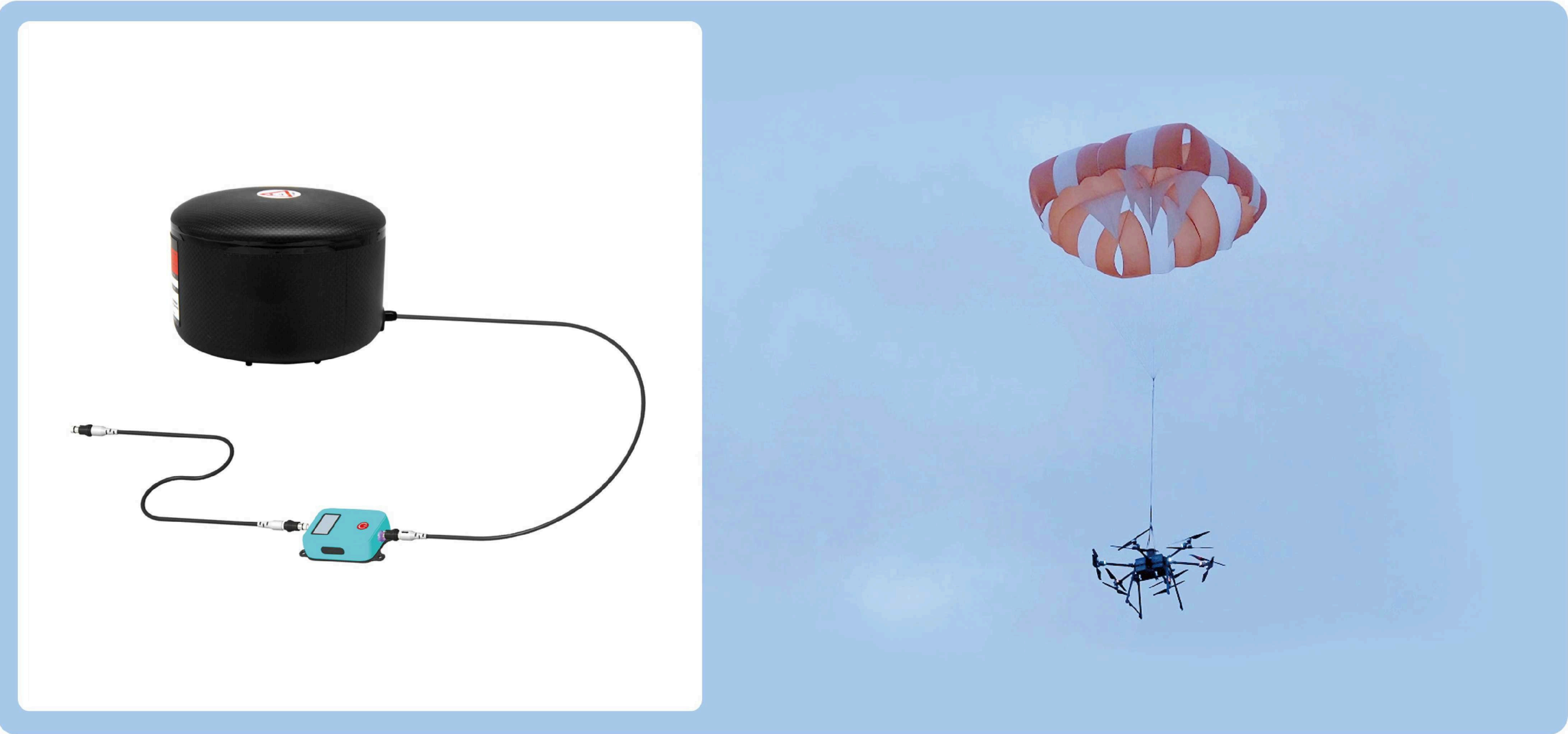
Technical Parameters

Type	T191-200	T191-350	T191-500	T191-650	T191-800	T191-950
Maximum System Weight	200 kg	350 kg	500 kg	650 kg	800 kg	950 kg
Maximum Deployment Speed	110 km/h	110 km/h	110 km/h	110 km/h	110 km/h	110 km/h
System Weight	6.9 kg	8.2 kg	11 kg	13 kg	16.5 kg	18.5 kg
Canopy Dimension	35x18x12cm	30x23x15cm	35x23x15cm	41x25x20cm	46x30x25cm	50x30x25cm
Packing Mode	Soft Cushion Packing	Soft Cushion Packing	Soft Cushion Packing	Soft Cushion Packing	Soft Cushion Packing	Soft Cushion Packing
Opening Time (Maximum Weight & Speed)	2.5 s	2.5 s	3 s	3 s	3.5 s	3.5 s
Minimum Opening Altitude	30 m	40 m	50 m	50 m	60 m	80 m
Maximum Opening Overload	9.8 KN	17.2 KN	24.5 KN	31.9 KN	39.2 KN	46.6 KN
Maximum Descending Speed	7 m/s	7 m/s	7 m/s	7.3 m/s	7.5 m/s	7.5 m/s
Shape of Canopy	Round Canopy Round Canopy Round Canopy Round Canopy Round Canopy Round Canopy					
Closing Device	No	No	No	No	No	No
Main Canopy Size	38 m²	66 m²	95 m²	123 m²	151 m²	179 m²
Propeller	TR-1	TR-1	TR-1	TR-2	TR-2	TR-2
Total impulse (20C)	300 NS	300 NS	300 NS	500 NS	500 NS	500 NS
Reaction time (40°- +60°C)	0.8±0.2 s	0.8±0.2 s	0.8±0.2 s	1±0.2 s	1±0.2 s	1±0.2 s
Trigger Deployment Method	Flying-control activation Autonomic activation Manual activation	Flying-control activation Autonomic activation Manual activation	Flying-control activation Autonomic activation Manual activation	Flying-control activation Autonomic activation Manual activation	Flying-control activation Autonomic activation Manual activation	Flying-control activation Autonomic activation Manual activation
ECU Communications	CAN/PWM	CAN/PWM	CAN/PWM	CAN/PWM	CAN/PWM	CAN/PWM
ECU Working Temperature	-30~70°C	-30~70°C	-30~70°C	-30~70°C	-30~70°C	-30~70°C
Black Box	Yes	Yes	Yes	Yes	Yes	Yes
System Service Life	6 Years	6 Years	6 Years	6 Years	6 Years	6 Years

*Customized service available.

Drone Parachute

T200 Industrial Drone Rescue Parachute System

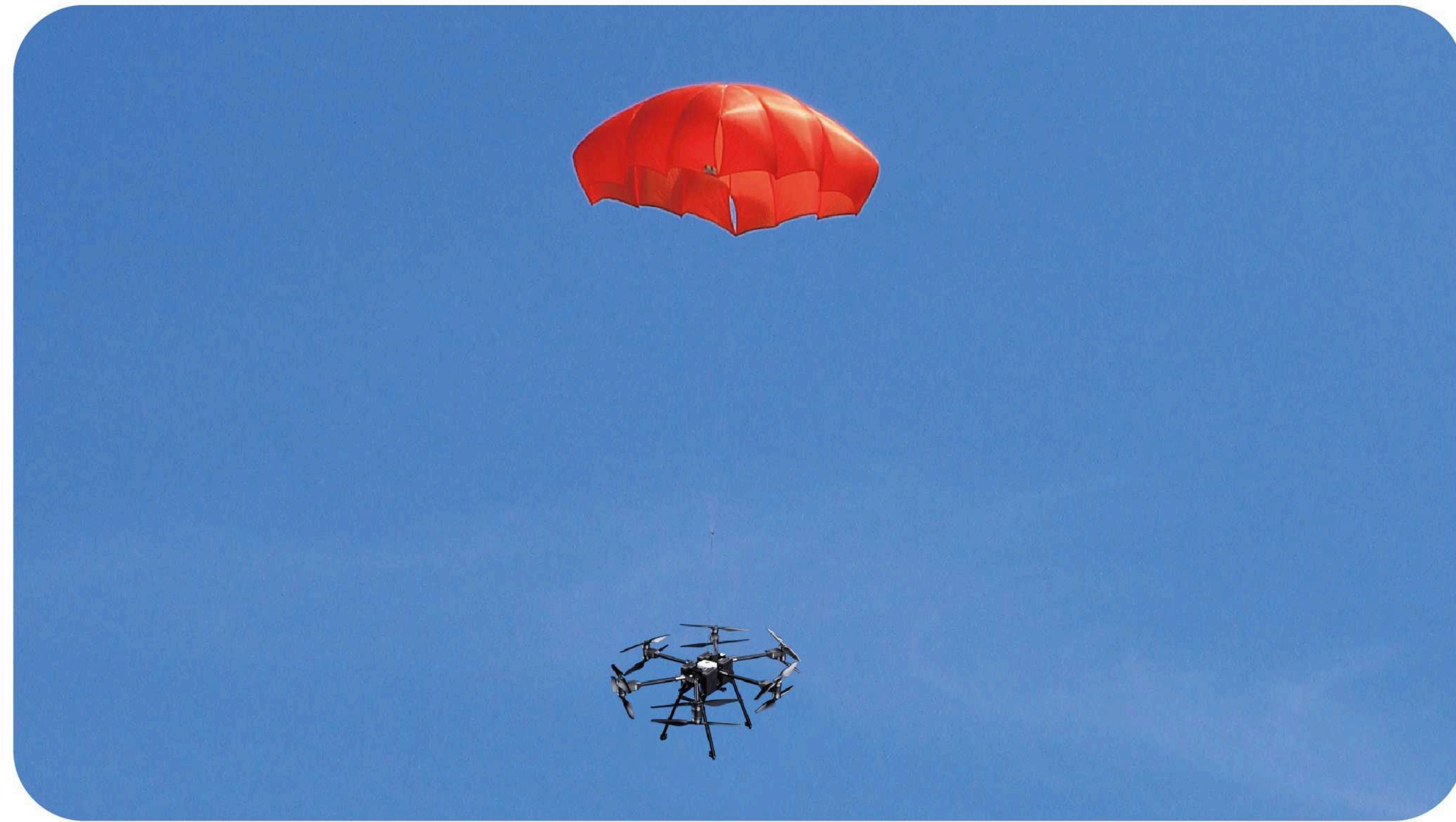
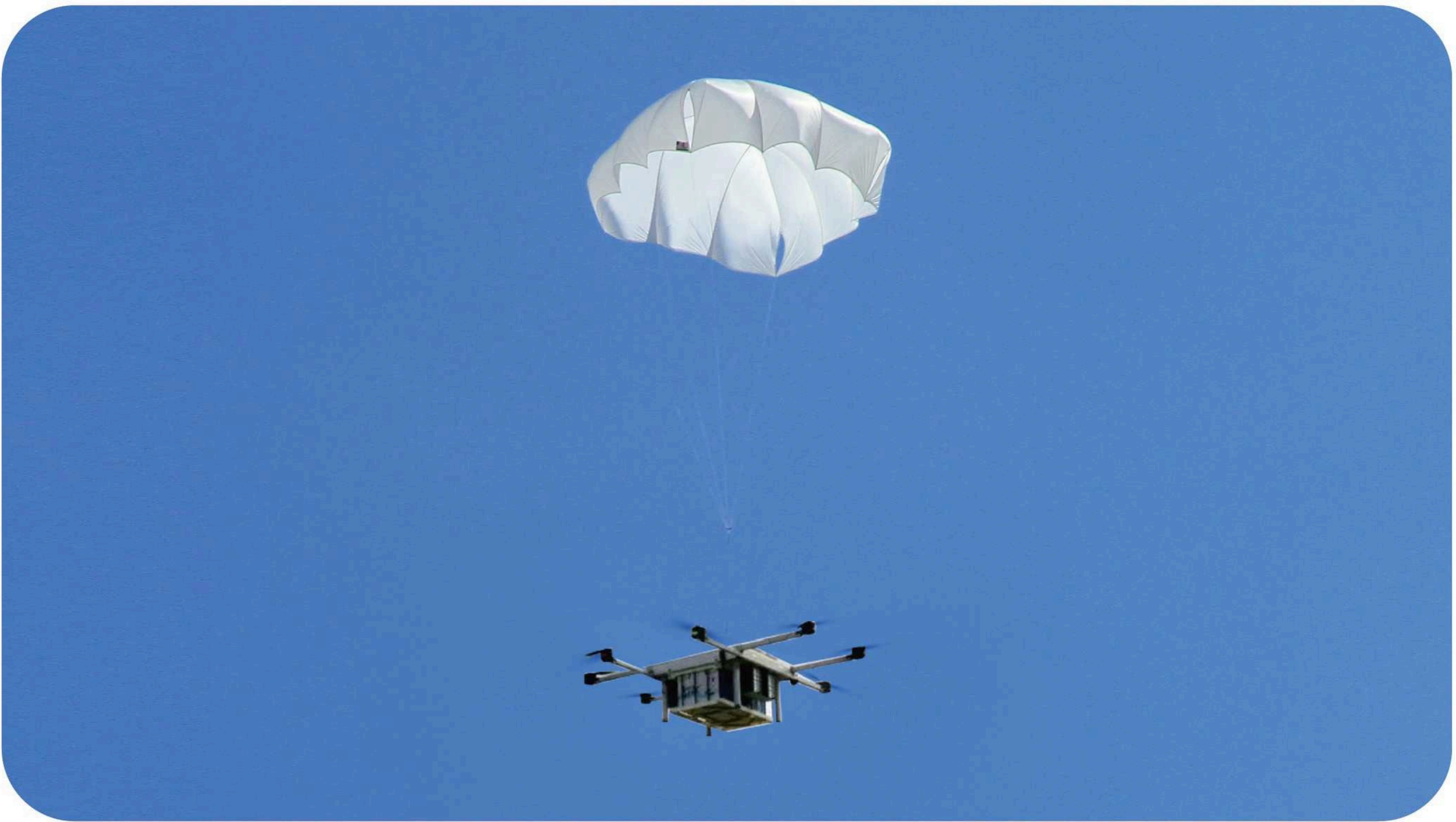


Function

T200 industrial drone rescue parachute is an intelligent emergency system designed for drone weighing in the range of 25-150Kg. It features a built-in high-precision sensor able to continuously monitor real-time flight condition and attitude. In case of failure detected, the system will responsively and autonomously activate ballistic ejection of parachute to rapidly get the drone controlled and assist it steadily and safely to land on ground, effectively ensuring public safety and property. The parachute system is highly adaptable to various customers' requirement.

Characteristic

- Suitable for medium-sized drone, safeguarding public lives and property on ground
- CFRP material used, lighter-weight and stronger structure
- Reliable algorithm for safety, responding time less than 0.5 second, autonomous activation for deployment in case of emergency
- Extreme high speed intelligent deployment, safe and efficient
- 5.5m/s stable descending speed, avoiding collision damage when landing on ground
- Customized service available



Technical Parameters

*Under standard testing conditions, the wind speed is less than 5 m/s, the temperature ranges between 15°C and 35°C, and the altitude is below 1500 meters.

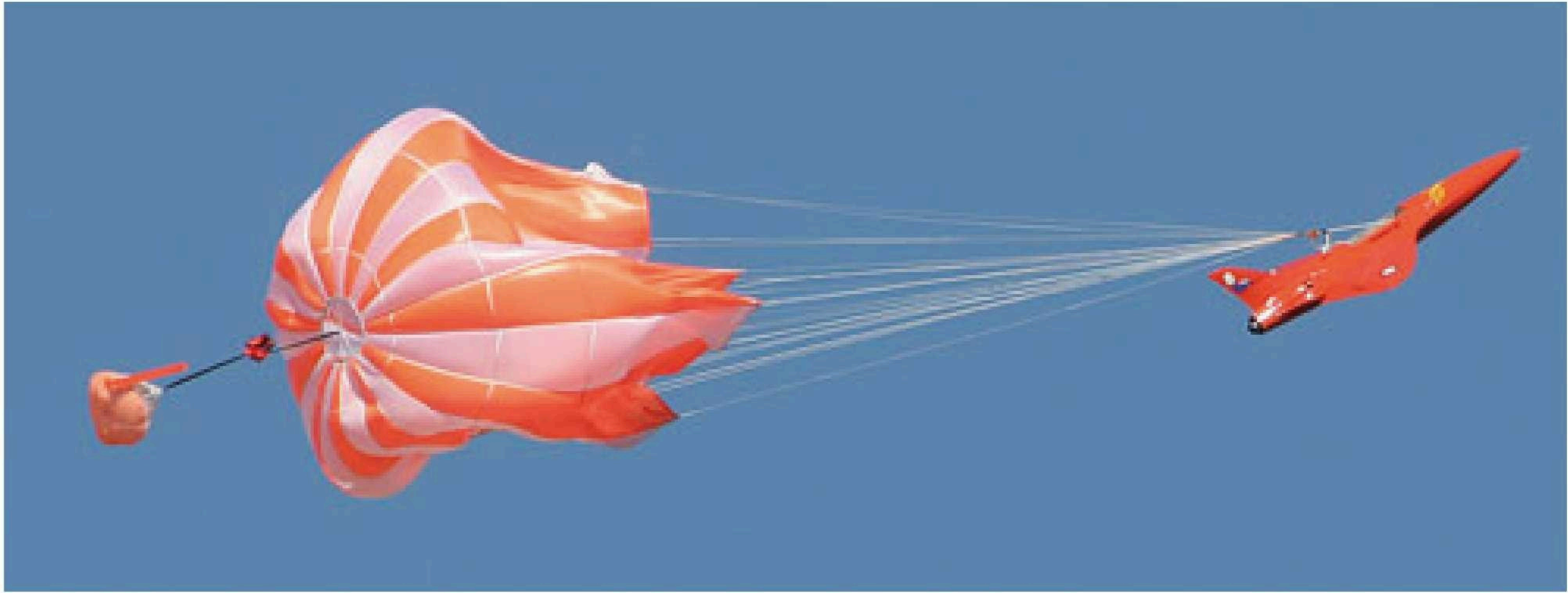
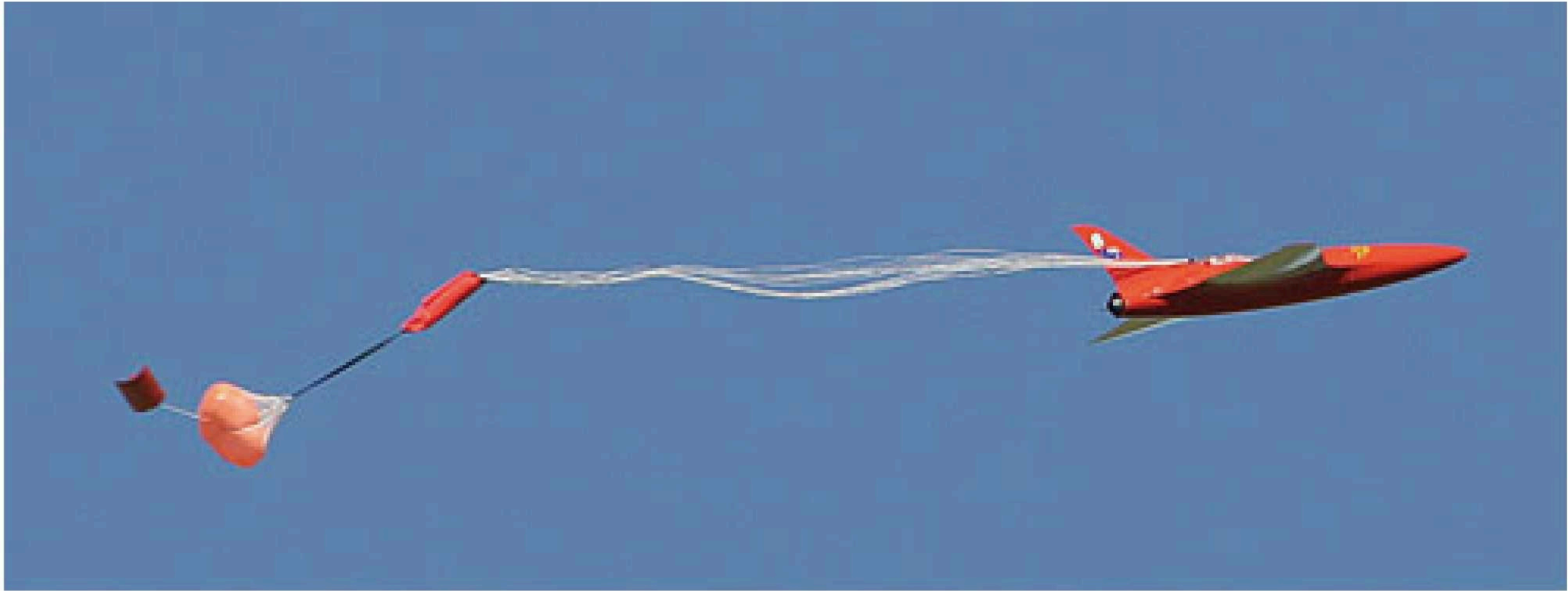
Type	T200-25	T200-50	T200-75	T200-125	T200-150
Maximum System Capacity	25kg	50kg	75kg	125kg	150kg
Maximum Deployment Speed	80 km/h	80 km/h	80 km/h	80 km/h	80 km/h
System Weight	0.85 kg	1.33 kg	1.9 kg	3.5 kg	4.0 kg
Canopy Area	Φ150*100 mm	Φ173*163 mm	Φ173*163 mm	Φ210*208 mm	Φ210*208 mm
Opening Time	1.2 s	1.2 s	1.2 s	1.5 s	1.5 s
Minimum Opening Altitude	30 m	35 m	40 m	45 m	50 m
Maximum Opening Overload	5.5 g	5.5 g	5.5 g	5.5 g	5.5 g
Maximum Descending Speed (Standard Temperature at 1500m)	5 m/s (Descending from 1.3m)	5.5 m/s (Descending from 1.3m)	5.5 m/s (Descending from 1.3m)	5.5 m/s (Descending from 1.3m)	5.5 m/s (Descending from 1.3m)
Shape	Square Parachute	Square Parachute	Square Parachute	Square Parachute	Square Parachute
Closing Device	No	No	No	No	No
Main canopy Size	9.4 m²	15.3 m²	23 m²	32.5 m²	40 m²
Temperature	-20~70°C	-20~70°C	-20~70°C	-20~70°C	-20~70°C
Defense Level	IP55	IP55	IP55	IP55	IP55
Deployment Method	Flying-control Opening Autonomous Opening	Flying-control Opening Autonomous Opening	Flying-control Opening Autonomous Opening	Flying-control Opening Autonomous Opening	Flying-control Opening Autonomous Opening
ECU Communications	CAN/Uart/PWM	CAN/Uart/PWM	CAN/Uart/PWM	CAN/Uart/PWM	CAN/Uart/PWM
Black Box	Yes	Yes	Yes	Yes	Yes
System Service Life	2 Years	2 Years	2 Years	2 Years	2 Years

*Customized service available.

Recovery Parachute System

Recovery Parachute System

T400 Series Target Drone Recovery Parachute System

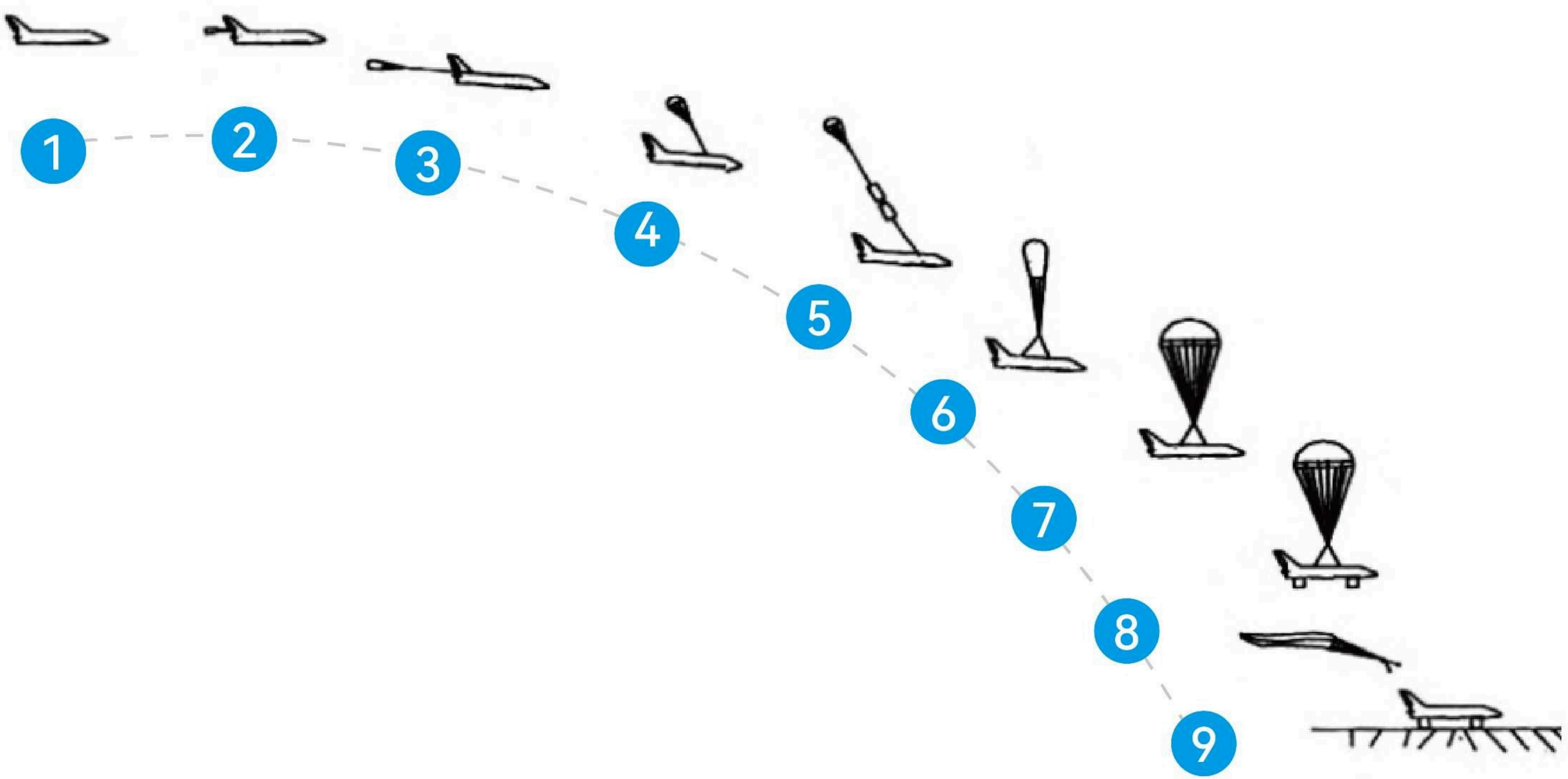


*Provide customized service

Function

T400 recovery parachute system is designed to recover various types of target drones. The system has many conspicuous features, such as high reliability, light-weight, space- efficient, easy for layout and minimal reliance on other systems, meeting operational requirement of high-speed UAV's.

The system consists of a drogue, a drogue pouch, a drogue bridle, parachute container, main lines, main canopy.



- 1. Drone horizontal flying & initiate recovery system
- 2. Parachute canister triggered and drogue deployed
- 3. Drogue in wake flow area
- 4. The drogue is fully inflated and open
- 5. Drogue extract main canopy, straighten lines and cords
- 6. The main canopy is inflated with a closed valve
- 7. The main canopy is fully deployed
- 8. The airbag has been fully deployed
- 9. Drone landing airbag buffer and cutaway

The Working Principle of Drone Recovery



T057 Delayed Cutter

The T057 Delayed Cutter is designed to address safety issues related to drones, such as rapid deployment. Pre-set binding lines ensure a smooth opening.



T062 Disconnection Adapter

The T062 Disconnection Adapter is used for cargo delivery operations in various industries, including aeronautics, aerospace, and aviation.

Cargo Parachute System

Cargo Parachute System

T500 Series Cargo Airdrop System



Function

The T500 Series Cargo Airdrop System safely delivers cargo from the midair to the ground without any damage. The system includes a cargo dock, bridle system, airdrop parachute system (deployment system, drogue, main canopy, harness), landing auto-release devices, and other components. It is customized to meet specific requirements and is compatible with various aerial delivery platforms and types of cargo.

*Customized to suit your needs

High Delivery and Low Opening



Precision Airdrop



Drone Airdrop

