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SKYEAGLE

SPECIALIZED IN PARACHUTE SAFETY SYSTEMS

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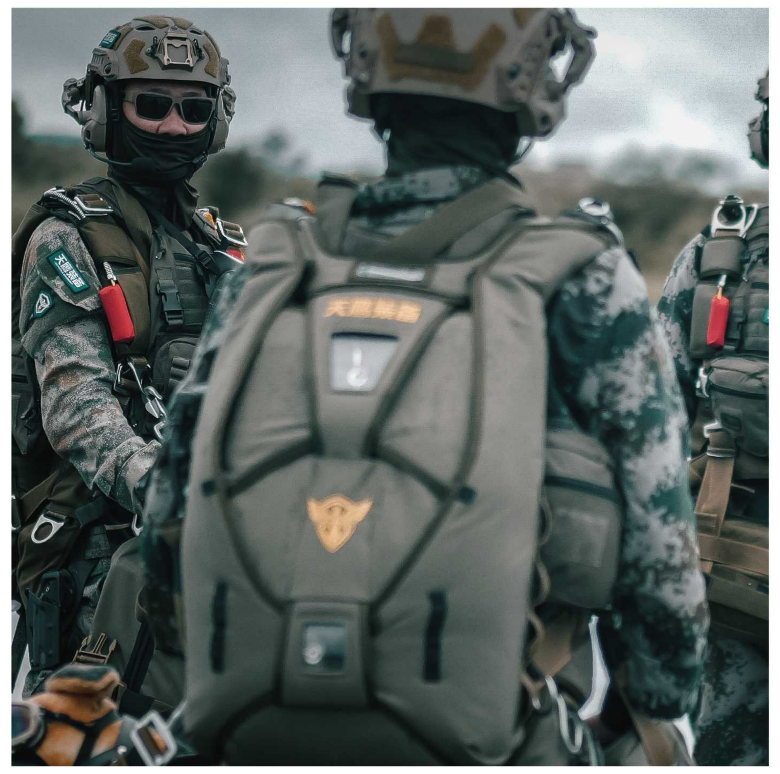
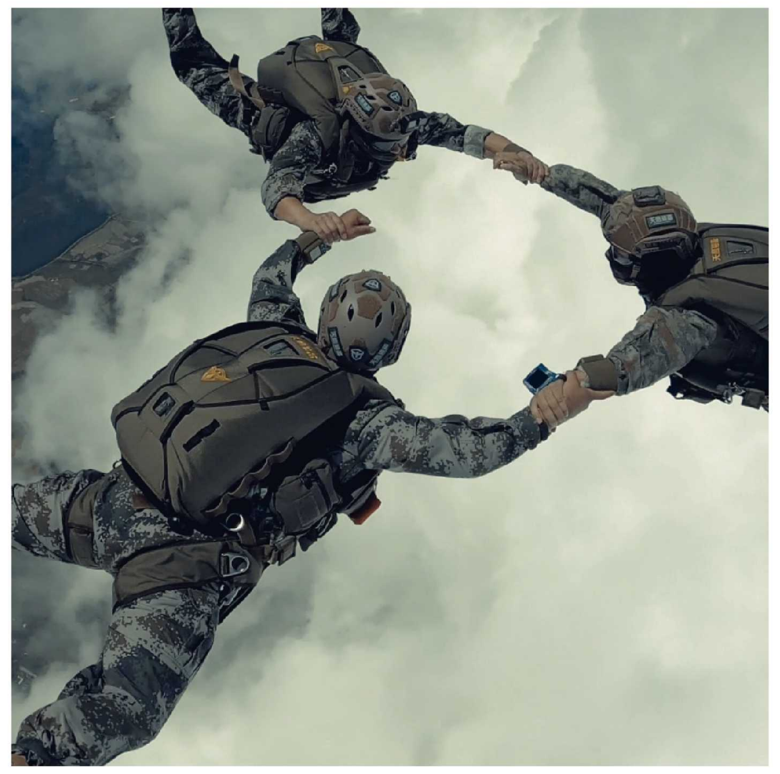
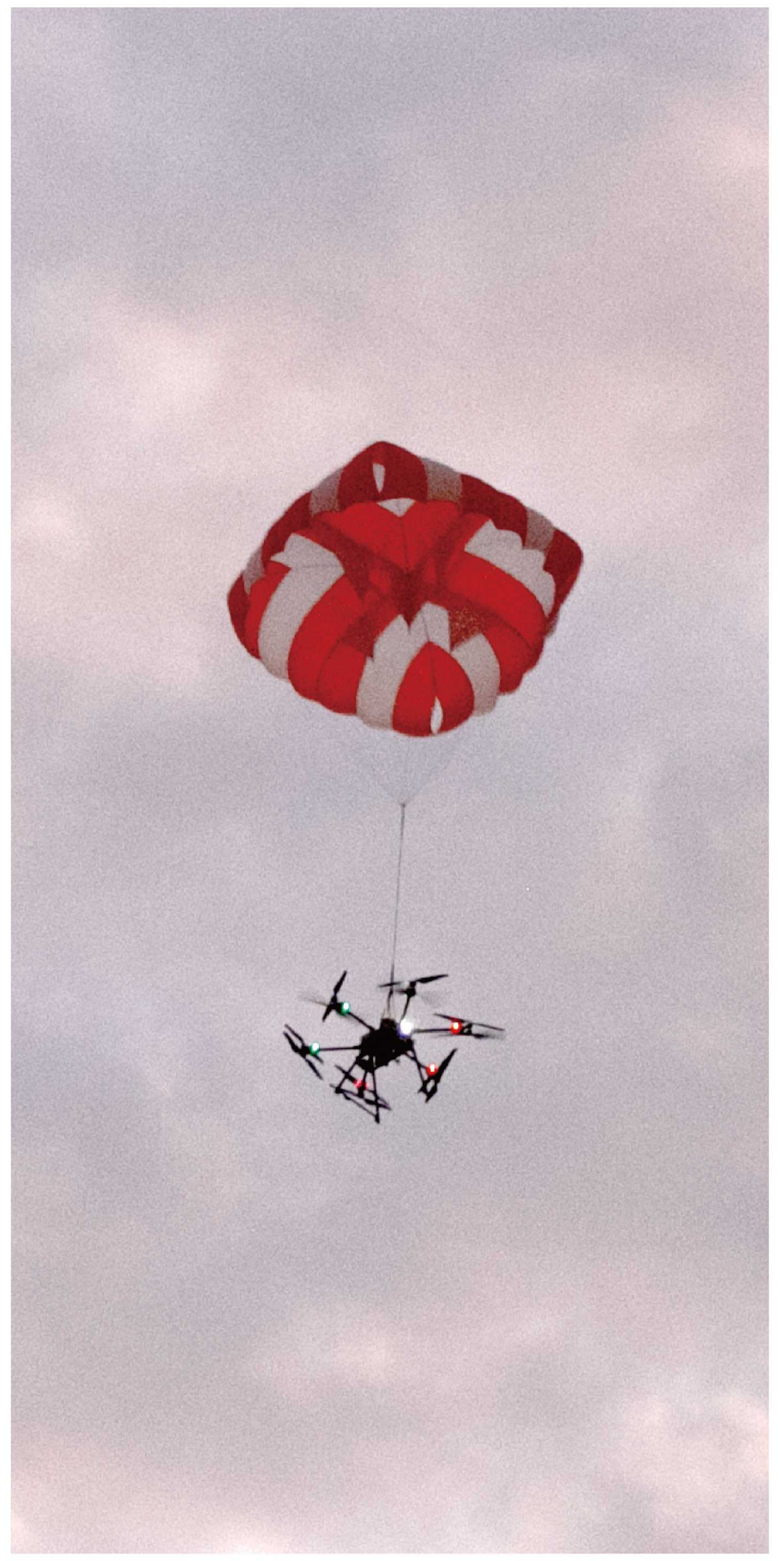






SKYEAGLE
天鹰装备

Content

Company Introduction

Based in Long Hua District, Shen Zhen City, China, Skyeagle Equipment Technology Co. Ltd. was founded in 2014. The company is a private-owned, high-tech enterprise and is specialized in research & development, manufacturing, and sales of parachute safety systems. Up to date, the company has applied for more than 70 patents , of which 50 have been approved. These patents cover all primary businesses of the company, such as personnel parachute systems, UAV parachute systems, aircraft parachute systems,cargo airdrop parachute systems and target drone recovery parachute systems. The series of products have filled the gaps in domestic parachute and aviation safety industry in many aspects, and broke through the year-long reliance on import of the same category.

As a state-level high-tech company, Skyeagle Equipment Technology has been awarded SRDI (specialized, Refined, Differentiated and Innovative) status by Shenzhen municipal government. The company is AS9100 quality system certified and has obtained the first Airworthiness Certificate on personnel parachute domestically in China by airworthiness authority of CAAC.

Skyeagle Equipment Technology has been dedicated to parachute safety system industry, and has increasingly making investment in R&D, proactively collaborating with users from all related industries, continuously improving product performance and application scope in an effort to become a world-class solution provider for aviation safety .

Company Our Mission

Faithfully defend low-altitude aviation safety

Company Our Vision

Becoming a solution provider for parachute safety system

Company Corporate Values

Professionalism、Safety、Coordination、Efficiency

QUALIFICATIONS

Credentials and Qualifications

Part of Patents

The First Airworthiness Certificate (CSTOA) on Personnel Parachute in China Has Been Issued to Skyeagle Equipment Technology by CAAC

Tactical Parachute System

SWORD-1
Advanced Ram Air Parachute

Introduction

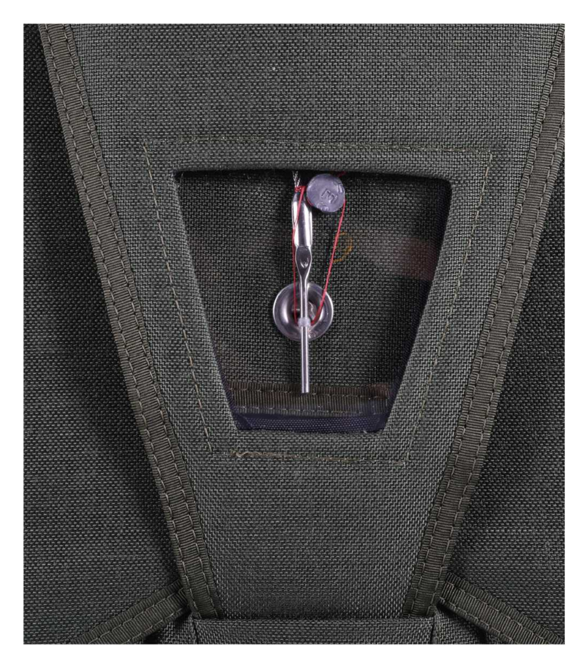
T175 advanced Ram-air airfoil is a new- generation, high-performance chute designed to meet the demands for both military and civilian uses. It provides excellent aerodynamic performance and manoeuvrability. It is particularly designed for High Altitude & High Opening (HAHO), High Altitude & Low Opening (HALO) activities.

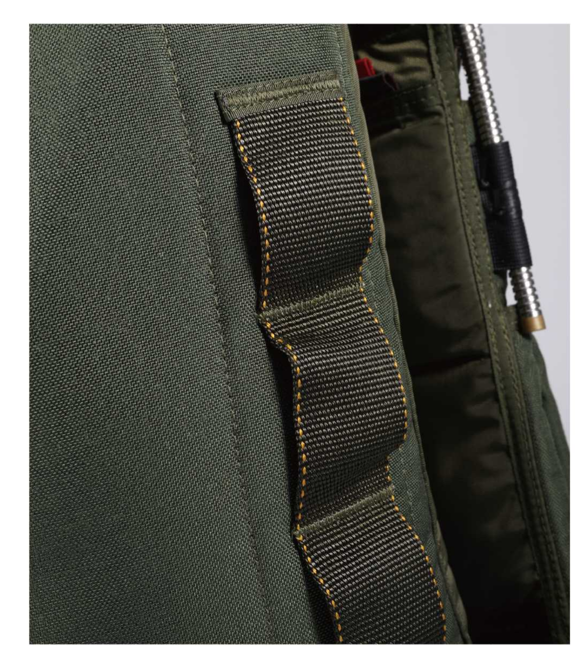
Technical Parameters

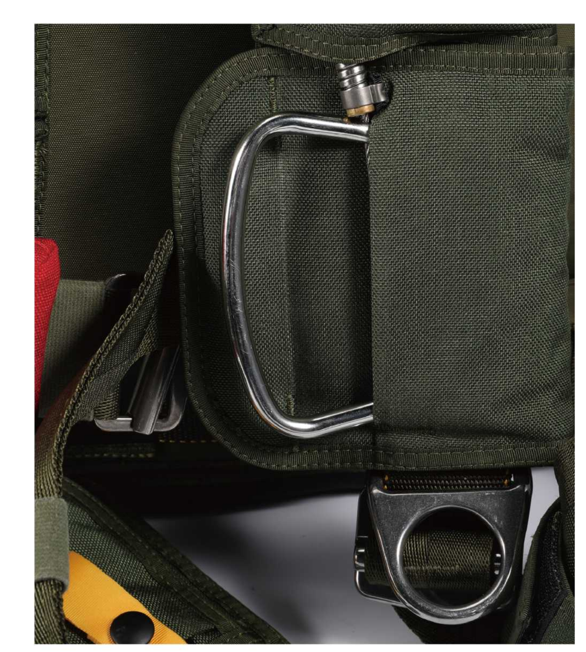
- Maximum skydiving altitude: 35,000 ft (10,668 m)
- Maximum deployment altitude: 25,000 ft (7,260 m)
- Canopy area : 280 sp ft (26 m²)
- Maximum capacity : 170 kg

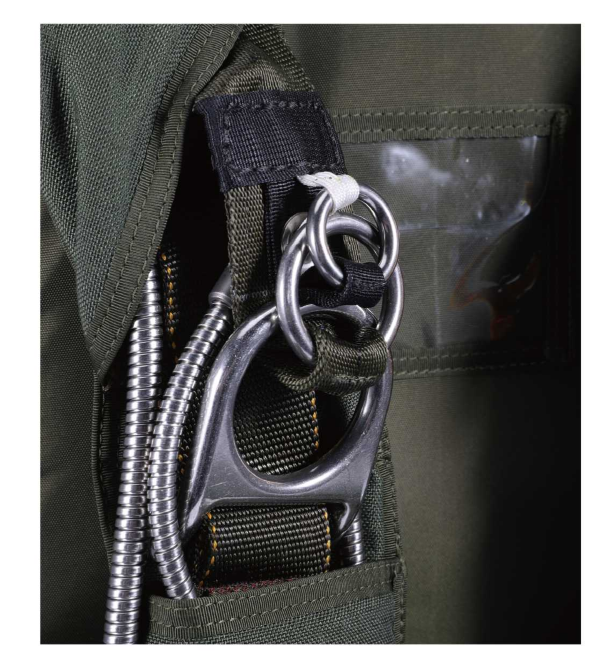
Characteristics

It has a two-in-one design feature with main and reserve chutes providing more room in front of divers' chest for weapons or other supplies. It also has many characteristics such as superb load-carrying capability, high-level stability, safety and reliability,as well as good operatibility. With exceptional gliding performance and higher horizontal speed, it is very suitable for remote infiltration long-distance armed raid and other special combat missions.







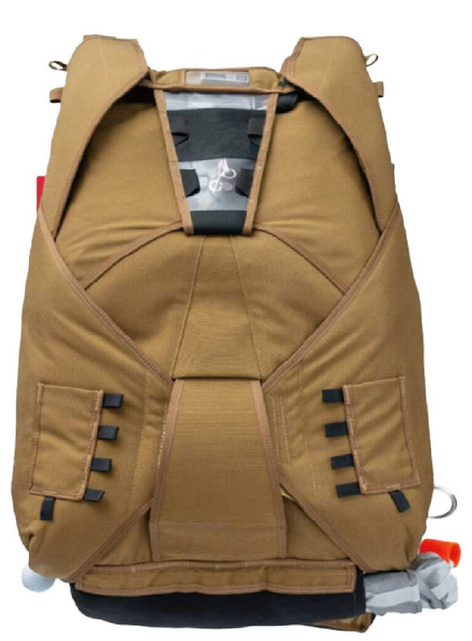


SWORD-2 Advanced Ram Air Parachute

Tactical Parachute System

The Sword-2 features metal rings on the shoulders and an outward deployment handle, making it convenient for carrying loads in the chest area.

Tactical Tandem Parachute



Introduction

The T177 chute is designed for the purpose of two-armed personnel air jump operation or operation with heavy supplies. It features heavy load-carrying capability, far gliding distance, high safety and reliability, good operatability, suitable for HAHO and HALO special air jump combat missions.

Technical Parameters

- Cell Count : 9 cells
- Canopy Area(Sq. ft): 300 / 330 / 370 / 400(28/31/34/37m²)
- Maximum Weight: 500 lb (227kg)
- Maximum deployment speed: 150KTS (278 km/h)
- Opening Dynamic Load: 4.5G
- Steering Lines : 6&2

Characteristics

- Superior Safety and comfort
- Excellent aerodynamic designs
- High Tolerance for misoperation
- Wind and turbulence resistance
- The Reserve Static Line (RSL)
- With Automatic Activation Device
- Reliable disk release system
- "Golf Ball" deployment handle on both sides
- Transparent window on the front side of the pack to check the reserve pin position
- Adjustable passenger hardness for jumper of individual shape and size

Tactical Parachute System

T300 Paratrooper Parachute

Function

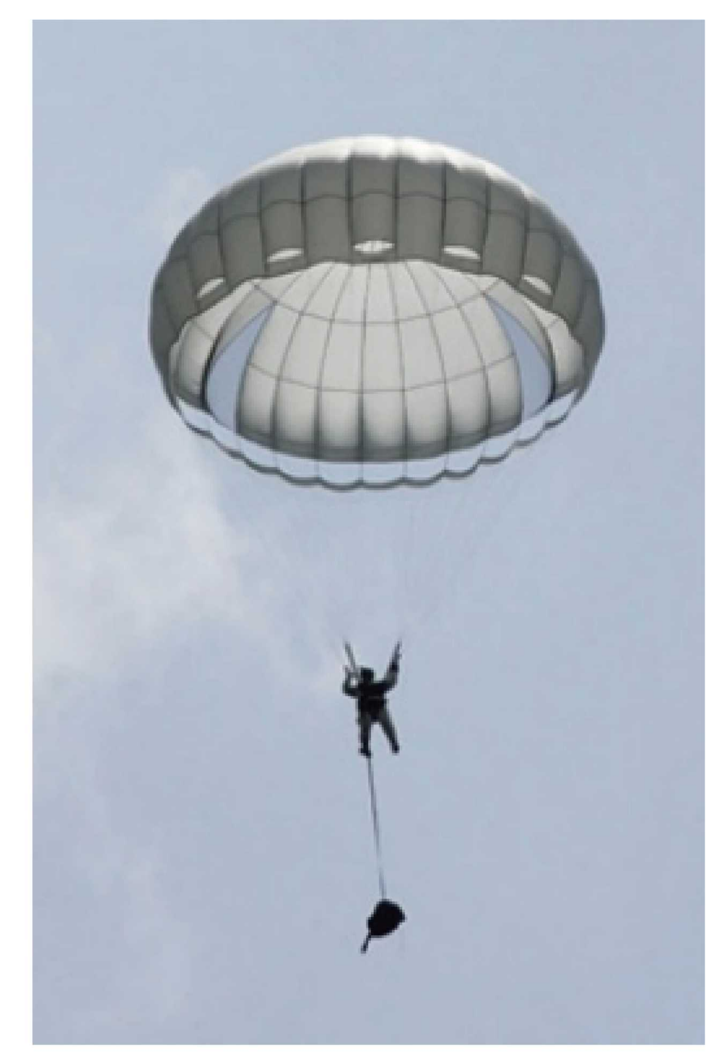
T300 Paratrooper Parachute is specifically designed for airborne combat operation. It enables accurate and safe airdrop operation of paratroopers and supplies, which is suitable for military, sports and emergency rescue operation, especially for mass airdrop operation of paratroopers in designated area.

Main canopy

Canopy area	47 cm x 34 cm x 28 cm
System weight	15 kg
Maximum capacity	160 kg
Maximum opening altitude	4000 m 13123 ft
Minimum opening altitude	150 m 492 ft
Rate of descent	4m/s (115 kg) 13 ft/s (254 lb)

Reserve canopy

Canopy area	26 cm x 47 cm x 17 cm
System weight	6.5 kg
Maximum capacity	160 kg
Maximum opening altitude	4000 m 13123 ft
Minimum opening altitude	150 m 492 ft
Rate of descent	<7.9 m/s <26 ft/s



SPORT PARACHUTE SYSTEM

Sports Parachute System

Student Parachute Container

Introduction

The Student Parachute features safety and comfort, with adjustable harness mechanism to accommodate size and shape of individuals. It is suitable for trainees practising high altitude skydiving.

Characteristic

- Ergonomic designs
- High quality materials and techniques, durable and rugged
- Cold-forging stainless steel metal pieces
- Adjustable harness system and leg straps suitable for people of all shapes and sizes
- B12 quick release buckles for leg straps
- Detachable waist band
- The reserve static line or RSL
- Bottom of container setup / hand
- deploy pilot parachute system
- Optional static line deployment configuration
- Left container bottom auxiliary opening rings
- Reserve pin check window
- AAD check window

Sports Parachute Container

Introduction

It is a customized container which can satisfy the personal needs of all individual skydivers. It features safety and comfort, and is the best options for parachutists.

Characteristic

- Ergonomic design with high-quality comfort pads
- High quality materials and techniques ensure durability and sturdiness
- Cold forging stainless steel metal components
- Reliable main and reserve opening system
- Module structural design for easy maintenance
- Aerodynamic structure design
- Safe and reliable opening with optional deployment handles
- Ultra secure main lift web cover design
- Design of secure main and reserve canopies
- Military-standard constant-force spring for reliable reserve canopy deployment
- Provide customized service

Sport Version Parachute System

Student Junior Main Canopy

Introduction

The Junior-Level Main Canopy, also named "Chu Yun Jiao ", is a ram-air activated parafoil specially designed for beginners. It is a fault-tolerant and turbulence-resistant canopy that is durable and easy to operate, and is the best choice for trainees.

Characteristic

- Exceptional aerodynamic design for wind and airflow resistance.
- Superior brake performance and secure landing
- Advanced aerodynamic features ensure smooth deployment with low dynamic load
- 9 Cells
- Canopy area (sq ft) : 200,220, 240, 260, 280, 300 (18.58 ,20.44 , 22.29, 24.15 ,26.01 , 27.87 m²)
- Maximum capacity : 109~159kg
- Maximum deployment speed 130 KTS (240 km/h)

Senior-Level Main Canopy

Introduction

The Senior-Level Main Canopy, also named "Hai Long Juan", is a ram-air activated parafoil specifically designed for medium-level parachutist. It has excellent aerodynamic design feature, predictable and responsive to any operation signals. It enables gentle opening of parachute and safe landing, giving parachutist joyful experiences in flying and gliding.

Characteristic

- Exceptional aerodynamic design
- Flexible and predictable input responses
- Smooth deployment and low dynamic load
- Flight stabilization and long-distance capabilities
- Short final flare for landing
- Better landing flare
- 9 cells
- Maximum capacity : 73~125 kg
- Excellent braking and safe landing
- Maximum deployment speed : 150 KTS (278 km/h)
- Canopy area (Sq ft) :100、120、140、160、180、200 (9.29、11.15、13.00、14.86、16.73、18.58 m²)

Sport Version Parachute System

Master Level Main Canopy

Function

The model named"Shenwuying"features a high-performance oval ram-air parafoil with excellent aerodynamic design. The fully functional canopy features quick response, aggressive tracking and diving, strong rear performance, flexible maneuverability, long-distance gliding, and strong performance and flare for landing, making it suitable for experienced parachutist.

Characteristic

- Aerodynamic design
- Quick response to input instructions
- Steady opening directions
- Super flexible maneuverability
- Large angle of diving and tracking
- Long arc to recovery
- Long distance gliding
- Strong rear performance
- Strong flare to land
- 9-cell oval ram-air parafoil
- Maximum capacity : 65~110 kg
- Maximum deployment speed : 150 KTS (278 km/h)
- Canopy area (sq ft) : 83, 89, 97, 107, 120, 135, 150 (7.71 , 8.27 , 9.01 , 9.94 , 11.15 , 12.54 , 13.94 m²)

Reserve Canopy

Function

The model named"Tieyuying" it is a reliable reserve canopy that features high reliability, quick response gliding performance, predictable operation, maneuverability, brake sliding, and landing performance.

Characteristic

- Reliable and safe, with high fault-tolerance
- Quick and stable opening
- Excellent flying features
- Predictable maneuverability
- Excellent brake performance
- Smooth landing
- 7-cell parafoi
- Canopy area (sa ft):100~280 (9.2903~26.01284m)
- Maximum capacity:68~136 kg
- Maximum deploym 8 km/h)

EMERGENCY PARACHUTEY SYSTEM

Emergency Parachutes for Pilots

Function

Emergency parachutes are specifically designed to provide pilots with safe and comfortable emergency solutions.

Characteristic

- Unique ergonomic design, andlight-weight
- Innovative materials and fabrics with enhanced structural strength
- Adjustable harness system to ensure comfort, ease of donning, and safety
- Equipped with AAD for automatic deployment in emergency situations
- Stable and reliable deployment with a low descending rate after opening
- Maximum capacity : 115 kg
- Maximum deployment speed : 150 kts
- Steady rate of descent : 5.5 m/s(18.04 ft/s)
- Provide customized service

Parachute Carrying Equipment

Multifunctional Load- Carrying Equipment

Function

The Multifunctional load-Carrying Equipment is designed for military aerial operations, including HAHO and HALO and static-line airdrop missions.
The latest international design concept is used for this equipment It has several features, such as high load-carrying ability, easy to operate, high level safety and reliability, dual-fixed -buckle design etc. very suitable for existing in-service military canopy category Wider shoulder hardness design provides comfort and convenience for load-carrying paratroopers after landing. The Special 3-ring release mechanism helps with quick breakaway. The storage room can be adjusted to accommodate the carry-on supplies quantity. High-strength material with anti-weather, anti-friction and anti-torn performance are used.

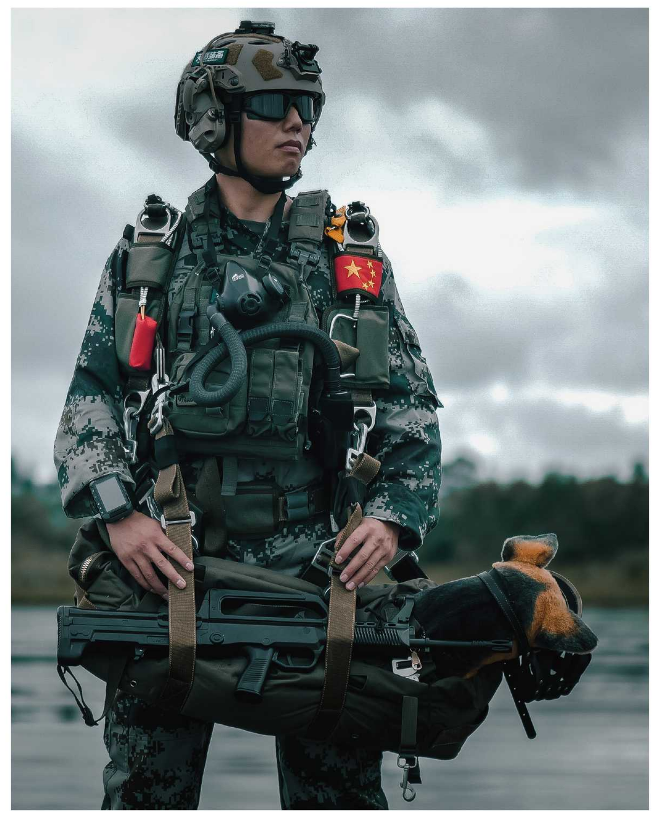
Technical Parameter

- Maximum capacity :100 kg
- System weight : 3 kg
- Three-ring suspension system for
- quick release and adjustable Harness

Sizes :
S : 580*410*300 mm - 72 L
M : 660*460*300 mm - 92 L
L : 760*460*410 mm - 142 L
Provide customized service

Parachute Carrying Equipment

Dog Bag



Introduction

The Dog Bag is designed for special forces with dog to land in combat zone for searching, reconnaissance, attack and rescue missions.

Characteristics

- Simple design, can be quickly hung on to in-service parachute
- Full closure design for constraint of dogs during operation activities
- Designed for German Shepherd dogs, It features both function and comfort
- The Maximum capacity can reach up to 40 Kg (88.1849 lb)
- Special materials are used to prevent dogs from being frozen in cold weather and to protect their legs and paws from injury during landing

Weapon Pack

Function

This specialized airborne weapon bag can be attached to harness rings without distracting personnel mobility. The product features protection on both ends with interior padding to provide reliable protection of weapons carried. This product is extendable, to accommodate individual barrel-type weapons for parachuting operation. The weapon pack has light-weight, impact absorption, durable and portable features to meet all stern requirements, suitable for extreme weather conditions, such as high-humidity, extreme temperature variation.

Technical parameter

- Canopy size: 142*37*6 CM
- Product weight: 3.5 KG
- Capacity: 40 KG

Parachute Electronic Device

Function

The advanced sport digital altimeter features superior error correction techniques to provide accurate real-time altitudes for users.

Sport Altimeter

Characteristic

- High-contrast and wide-angle flicker-free LCD screen
- Waterpro of aircraft-grade aluminum outer shell with tempered glass
- Backlit display for night parachuting
- Accurate altitude display
- Convenient altitude offset function
- Digital display
- Readable in sunlight
- Skydiving logbook function
- Military standard quality and extreme temperature feasibility

Parachute Electronic Device

Introduction

The Parachute Navigator Device is the latest application developed by Skyeagle Equipment Technology Co.ltd. It is a multifunctional device that integrates an altimeter, a digital compass, and navigation function, providing accurate navigation, precise altitude, azimuth and position. It is a portable hand-carrying device, facilitating parachutist with more accurate and convenient navigation methods.

Parachute Navigator Device

Characteristic

- MIP display screen with high resolution, high definition, wide viewing angle, and low power consumption
- High-definition display visible in strong sunlight and at night
- Altitude display and offset functions
- Powerful and inclusive logbook memory
- Multiple settings operations
- Full-screen colorful altitude display during free fall
- Access precise location data with Beidou navigation.
- Intelligent correction of electronic compass
- Eye-catching interface and alarm signals
- Removable battery for easy recharging and replacement

Function

- Preset destination point, start navigation, automatic guidance to preset location
- Three modes available, navigation, altimeter and low-power consumption
- Location check at any time when Navigation function switched on
- Enables preset of waypoint and check waypoint list and nearest location
- Enables offset of altitude
- Electronic compass calibration
- Bilingual display, Chinese and English
- Enables switch-over of metrics and imperial display
- On/off Key for advisory tone
- Diagnostic information and equipment status available
- One-click restoration function
- Dada available for each jump, both vertical and horizontal tracks visible

Parachute Electronic Device

Automatic Activation Device

Introduction

Automatic Activation Device (AAD), stored in reserve parachute package will automatically activate and deploy reserve parachute when reaching certain level, main parachute failed to open in some unexpected scenario to save the lives of parachutists.

Characteristic

- BIT enabled in 10 seconds when switched on
- Unique cutting design, reliable cutting
- Simple design to prevent mis-operation
- Automatic ground calibration to compensate variation of ambient environment
- Autonomous algorithm to identify motion status
- Enables preset of start point, landing point and differential altitude
- Aviation aluminum shell , durable and robust
- Built-in highly-efficient water-proof air filter to achieve IP67
- Super- low power dissipation, avoidance of battery replacement
- Easy for installation to parachute pack

Audible Altimeter Device

Function

An audible altitude alarm device is installed inside the helmet to produce audible alerts at pre-set altitudes, enhancing the wearer's awareness of altitude and aiding paratroopers in their response.

Characteristic

- 4 Climbing warnings
- 4 High-Speed warnings
- 4 Low-Speed warnings
- Different pulsating tones correspond to different altitudes.
- Functional digital logbook
- Continuous storage of detailed data from the last 500 parachute jumps
- Altitude offset settings
- Margin of error : ±1%
- Operating altitude : -1800 to 9000 meters (-5905 feet, 6 inches to 29527 feet, 7 inches)
- Operating temperature : -30℃ to 70℃ (-22 °F to 158 °F)

Parachute Electronic Device

Handheld Weather Station Device

Characteristic

- Small size and lightweight for handheld use
- 262 K true color display
- GNSS orientation
- One-handed control
- Infrared thermometry
- Radio silence

Basic Version

StandardVersion

Pro Version

Distance Alarm Device

Function

The parachuting distance alarm device monitors the proximity and distance between jumpers and gives a warning alarm within pre-set distances to remind users, enhance distance awareness, and avoid tangle or collision risks.

Characteristic

- High-precision monitoring and sensitive response
- Various warnings, including audible buzzers and light alarms
- Long standby time and working hours
- Easy to use with one-key on and off

Technical Parameter

- Dimensions : 58 mm*35 mm*16 mm
- Weight : 50 g
- Volume warning : 100 Decibels
- Margin of distance error : ±1%
- Detection sensitivity : -96 dBm
- Operating altitude : -1800 to 9000 m (-5905 feet, 6 inches to 29527 feet, 7 inches)
- Operating temperature : -20℃ to 60℃ (-4 °F to 140 °F)

GENERAL PARACHUTE SUPPORT EQUIPMENT

Parachute Jumpsuit

Introduction

It is applicable for beginners to control body attitude and free-fall speed in the air and convenient for coach to provide assistance.

Characteristic

- Elastic fabric around joints enables easy movement.
- Double layers on knees and seat for extra durability.
- Bright-colored grab handles on the arms and legs for instructor guidance.
- Quick and easy to wear
- High-quality windproof zipper and magnetic buckle
- Closing tight design on collar, cuff, and ankles to protect against wind

General Parachute Support Equipment

Winter coat for Parachute

Function

Providing cold-weather protection for soldiers during activities such as winter parachuting and high-altitude parachuting in cold environments.

Characteristic

Excellent cold-proof performance, lightweight, durable, easy to wear, and take off.

Technical Parameter

- Temperature range : >-60℃
- Altitude range : up to 35000 feet (10668 meters)
- 4 layers of insulated material with warm lining
- Collar and cuff tight design to resist wind
- Wear protective gear on your hips and knees
- TC reflective material for night parachuting
- PVC transparent map pocket
- The zipper from collar to ankle makes it easy to wear
- Available sizes : M, L, XL, XXL

Parachute Goggles

Function

Protect your eyes from wind impact during free fall

Characteristic

- High-transparency lenses that are difficult to break
- The lens is resistant to aging and yellowing
- Leather edges for a comfortable fit comfort
- Elastic rubber straps for different head sizes and shapes

Technical Parameter

- Translucency : ≥95%
- Operating Temperature : -20℃~60℃ (-4℉~140℉)

General Parachute Support Equipment

Hook Knife

Function

The Hock Knife can be installed on a leg strap or waistband for emergency use, such as cutting through cord entanglements.

Characteristic

- Small and lightweight
- Aircraft-grade aluminum knife handle
- Stainless steel trim: sharp and durable

Rigger Kit With Tools

Function

The Rigger Kit Bag contains the most common rigging tools, such as a closing plate, locking pull-up cord, temporary pin, and more, to help riggers pack parachutes efficiently and correctly.

Support Equipment for Parachute at Ultra-high Altitude

Introduction

The high-altitude oxygen supply system consists of oxygen cylinders and hoses assembly to provide oxygen supply to personnel on board the aircraft, particularly applicable for aircraft without oxygen supply system.

High Altitude Oxygen Supply System

Onboard Oxygen Cylinder

The Onboard Oxygen Cylinder (5L) has three outlets to support up to three passengers at altitude of up to 25000 ft (7620 m) for the aircraft without oxygen supply system.

Single-Person Oxygen Cylinder

The Single-Person Oxygen Cylinder provides individual personnel with oxygen supply at the altitude up to 25000 ft (7620 m) during airdrop operation. More sizes and specifications available.

Oxygen Masks

The mask is ergonomically designed and fabricated with high-quality silicon rubber and PC composite material. It has a face-conforming feature, providing comfortable contact to the wearer's facial structure. The mask matches existing in-service helmet and individual helmet communication system. The mask filter can prevent impurities in the air to ensure safe breathing.

Oxygen Hoses

The Oxygen Hoses Assembly features a flow indicator directly showing flow status. A switch-over valve in the hoses is available to connect to the airborne oxygen supply system as needed. When switched-over to airborne oxygen supply system of the aircraft, the oxygen supply from cylinder will be automatically shut off. Similarly when removed from airborne oxygen supply, the cylinder will automatically start supplying.

Night Parachute Support Equipment

Tactical Helmet Light

Light Clip

Function

The helmet light is compatible with all helmets that has standard Ops-Core ARC rail, such as military and police helmet, fire-fighting and emergency rescuer helmet. The outer shell is made of aviation aluminum anodized to military standard. It has light-weight, compact and robust features, only weighing 45 grams. It is also compatible to 24.5mm flashlight, with a 360-degree -rotation bracket for 8-direction lighting, convenient for adjustment.

Identification Light

Function

Helmet identification lights can be efficiently attached to helmet Velcro for grouping, identification, and location during tactical missions.

Illuminated Wind Direction Indicator

Function

The digital indicator displays wind speed and wind direction near the location during nighttime parachute missions.

Characteristic

The modular design of the illuminated directional wind speed indicator device makes it easy to transport. The device was deployed by paratroopers as they descended and then illuminated the landing zone upon reaching it. The blinking light moves toward the drogue direction and indicates wind speed and direction.

Parachute Training System

Visual Parachute Training Command and Dispatch System

Function

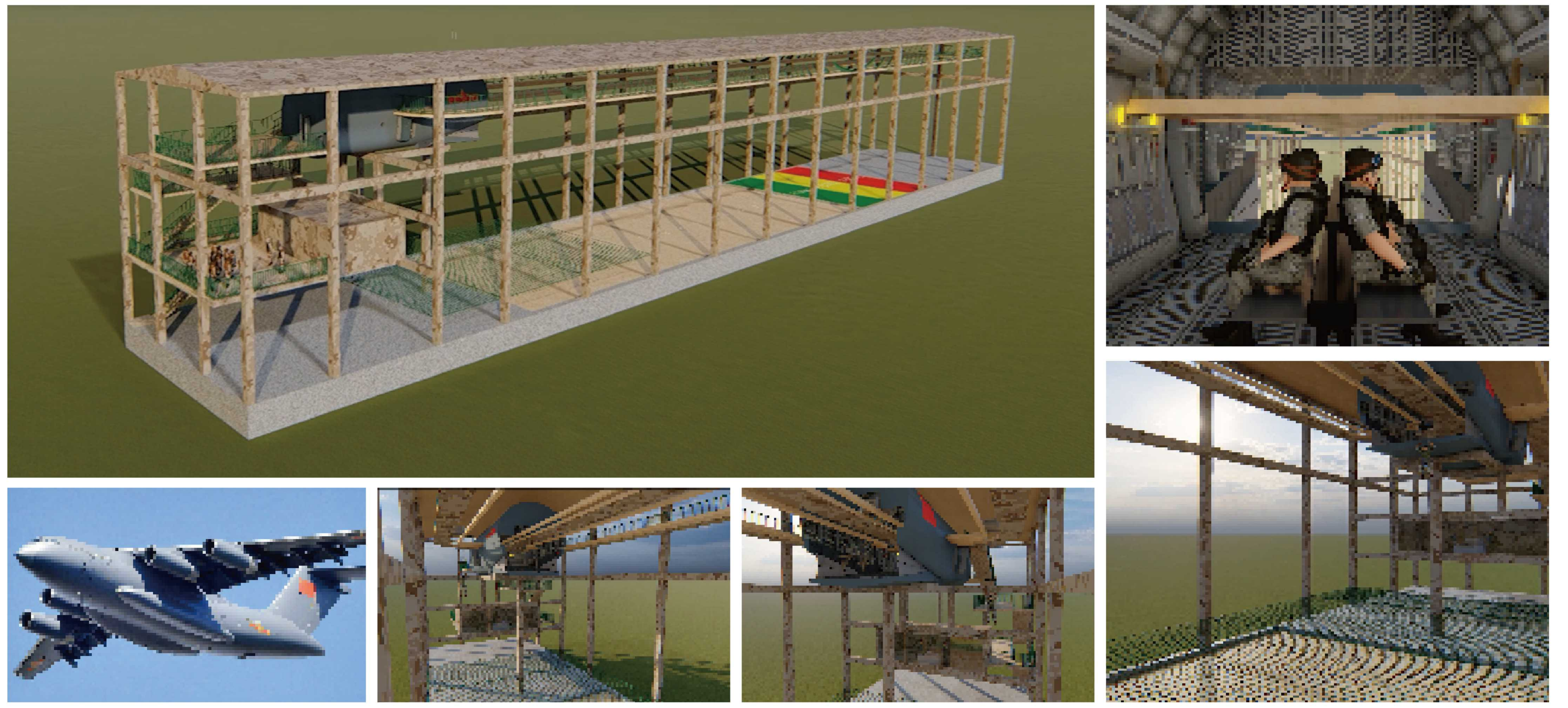
The visual parachuting training command system comprises wireless ad-hoc network solutions and a parachuting dispatch command system. A wireless ad-hoc network operates independently of a public network. The Mesh center-less wireless network ensures a stable wireless connection for mobile devices. The parachuting dispatch and command system features a modular, portable suitcase design and efficiently integrates video communication, video uploading, command and dispatch, group communication, and parachuting training.

Characteristics

- Pier to Pier center-less ad-hoc network
- Enables topological structure
- High reliability and anti-interference capability
- High mobility and rapid deployment
- NLOS transmission, anti-multi-path
- High data band-width, move-free
- High security to prevent illegal trespassing
- Embedded altitude sensor module for real-time altitude
- Video/Audio, GPS / Beidou positioning functions enabled

Parachute Training System

Muiti-functional parachute simulator training system



Function

Muiti-functional parachute simulator system replicates the interior of the C-130 transport aircraft and is used for comprehensive parachute training. It involves a tailgate or side-gate exit, landing, free-fall maneuver, and gliding. The system provides training for the deployment of Levels 1 and 2, tailgate and exit gate maneuvers, landing, and gliding simulation for the "Paratroops 9th" parachute, as well as basic exit postures for the "Paratrooper 11th" (parafoil) parachute. The VR system can simulate missions involving metal structures and electromechanical equipment. The system provides a secure and affordable method for paratroopers to improve their skills and plan missions before engaging in airborne operations. It enables trainees to practice safety and enhance the quality of their training.

Exit Practice Control system

The Exit Practice Control System comprises a steel structure, a cabin simulator platform, and a comprehensive control system. The simulator replicates the exit procedure to assist skydivers in mastering preparation and exit postures, offering an experience that helps them manage mental stress. The facility offers both tailgate and sidegate exits, as well as individual practice and group training for up to eight jumpers at a time.

Free Fall Operation & Control System

The free fall control system comprises a metal structure, an electronic control device, and a general control system. It is designed to simulate canopy maneuvers and emergencies, helping jumpers master key and challenging canopy operations, as well as posture skills.

Landing Control Practice System

The landing control system comprises a metal structure, an electronic control device, and a general control system. It is designed to simulate various landing postures and emergencies, helping jumpers master landing skills.

Comprehensive VR Simulator

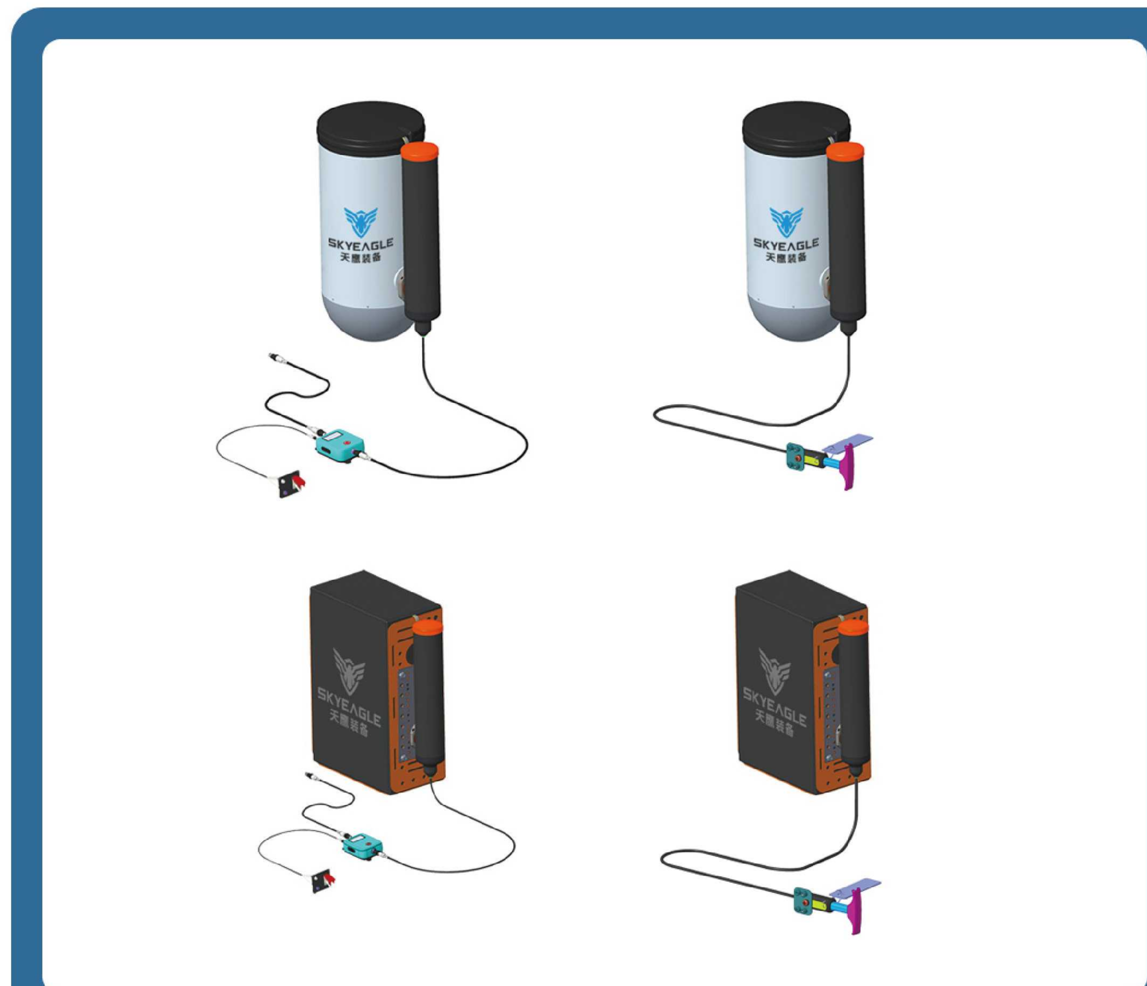
The VR simulator comprises a software system, sensors, and intelligent electromechanical drive control to create immersive parachuting scenes for training and customized practice courses. It helps jumpers systematically, safely, and efficiently master skills.

AIRCRAFT EMERGENCY PARACHUTE

DRONE PARACHUTE

Aircraft Emergency Parachute

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

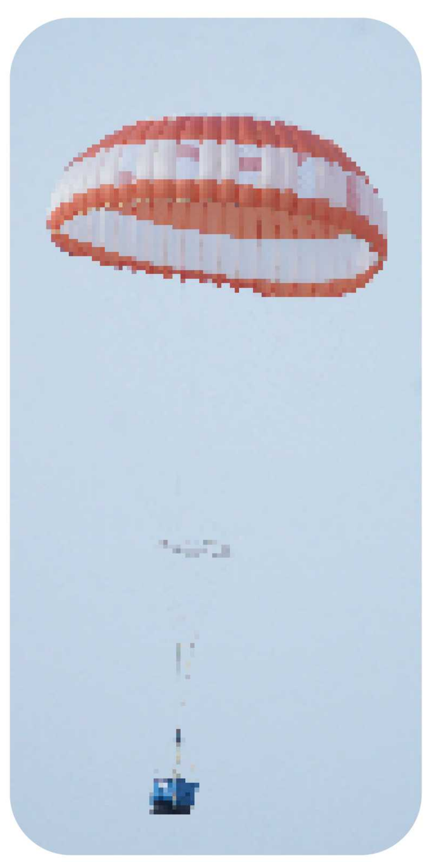


Function

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 ㎡	70 ㎡	100 ㎡	125 ㎡	145 ㎡	175 ㎡	210 ㎡	255 ㎡	280 ㎡	306 ㎡
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℃	-30~70℃	-30~70℃	-30~70℃	-30~70℃	-30~70℃	-30~70℃	-30~70℃	-30~70℃	-30~70℃
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

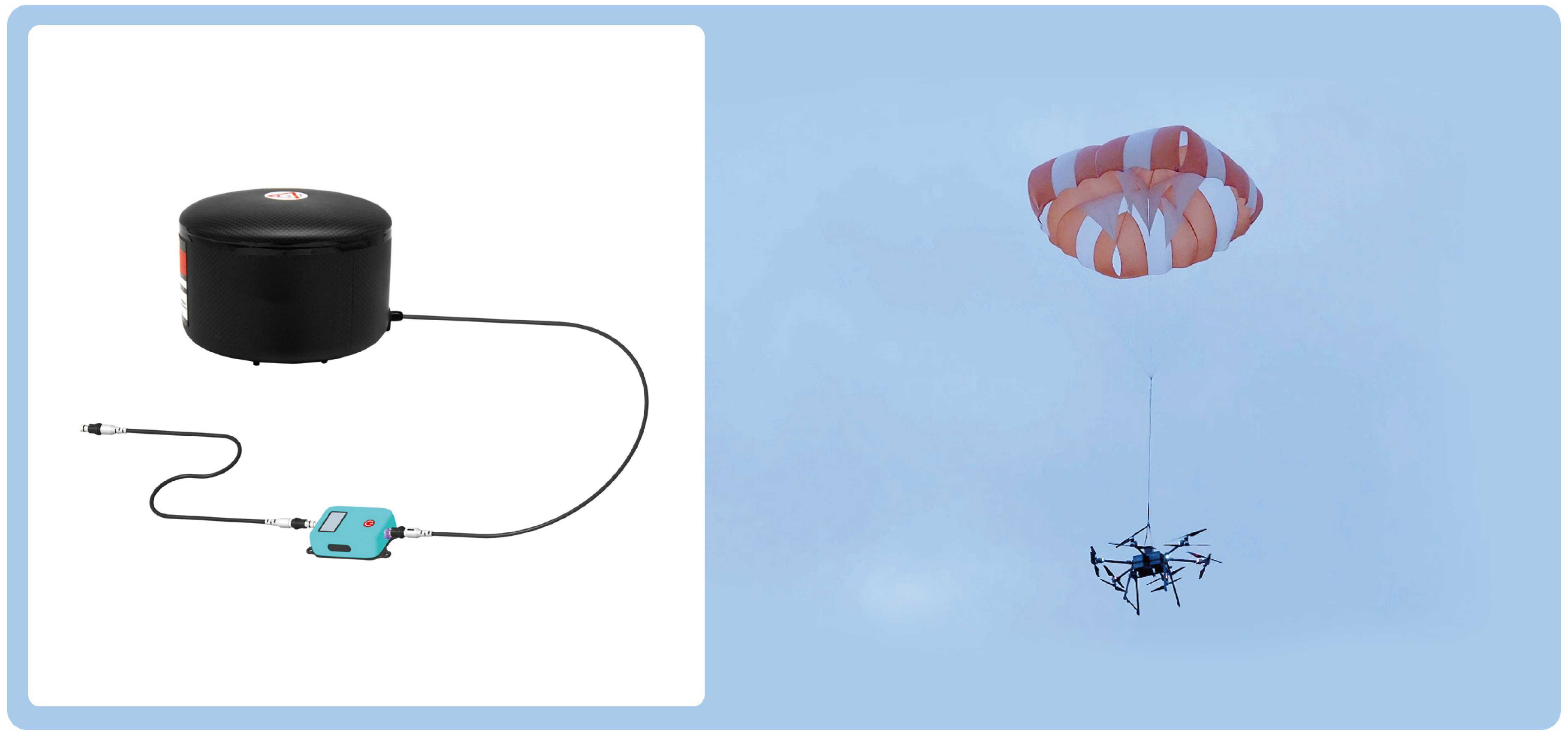
Technical Parameters

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 ㎡	66 ㎡	95 ㎡	123 ㎡	151 ㎡	179 ㎡
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℃	-30~70℃	-30~70℃	-30~70℃	-30~70℃	-30~70℃
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

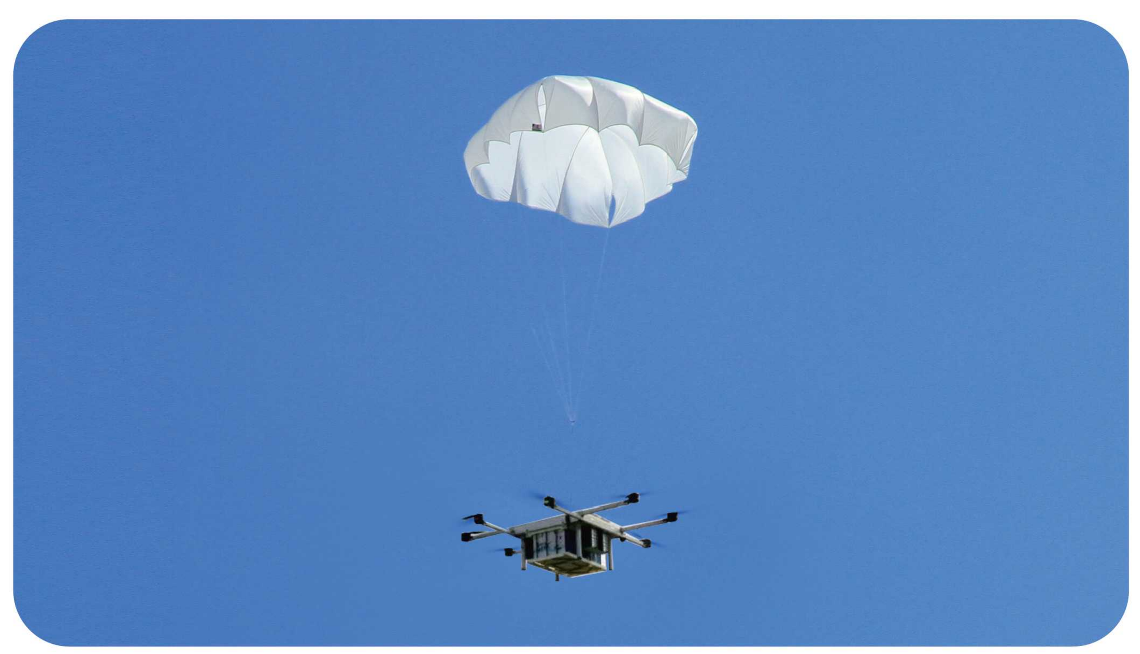


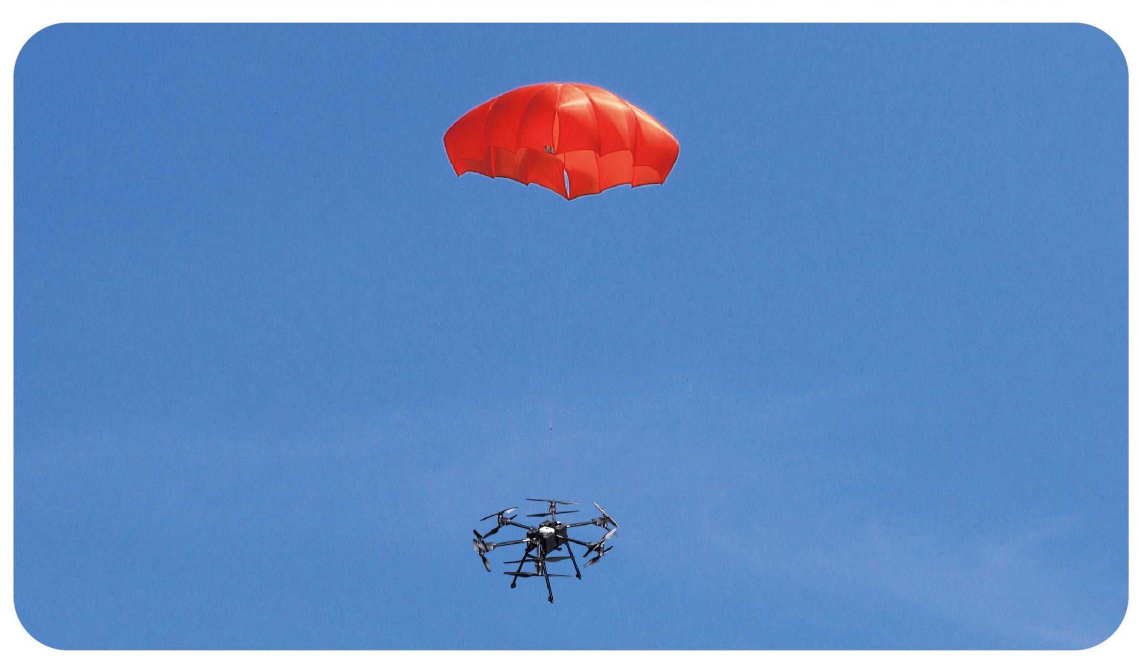
Function

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

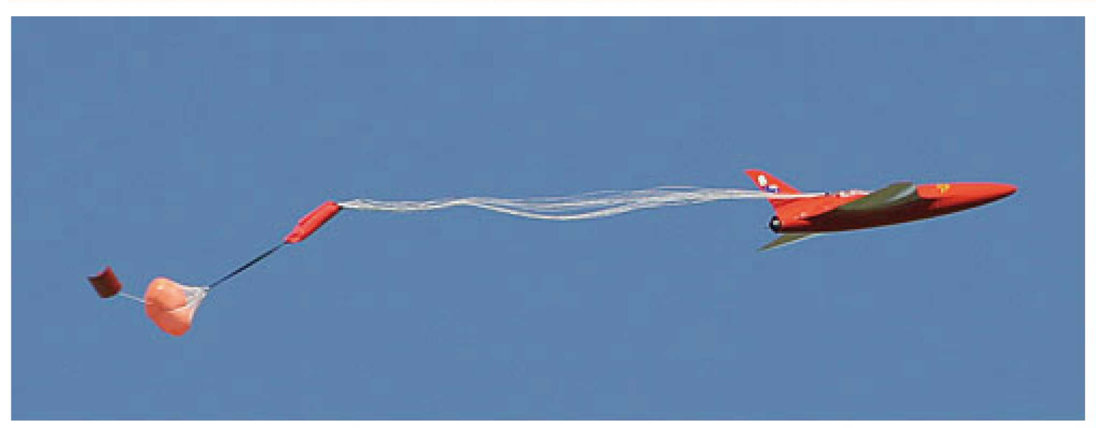
*Under standard testing conditions, the wind speed is less than 5 m/s, the temperature ranges between 15℃ and 35℃, and the altitude is below 1500 meters.

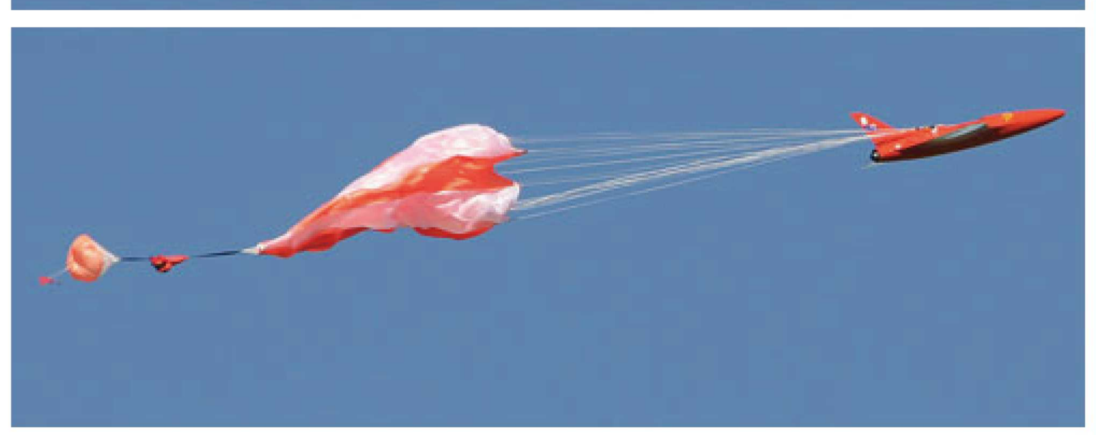
Type	T200-25	T200-50	T200-75	T200-125	T200-150
Maximum System Capacity	25kg	50kg	75kg	125kg	150kg
Maximum Deployment Speed	80 km/h	80 km/h	80 km/h	80 km/h	80 km/h
System Weight	0.85 kg	1.33 kg	1.9 kg	3.5 kg	4.0 kg
Canopy Area	Φ150*100 mm	Φ173*163 mm	Φ173*163 mm	Φ210*208 mm	Φ210*208 mm
Opening Time	1.2 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 ㎡	15.3 ㎡	23 ㎡	32.5 ㎡	40 ㎡
Temperature	-20~70℃	-20~70℃	-20~70℃	-20~70℃	-20~70℃
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

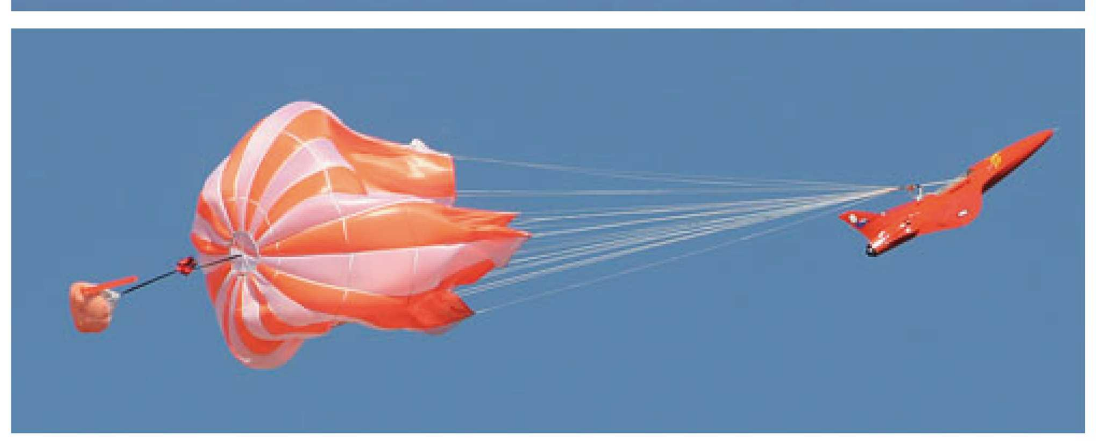
*Customized service available.

Recovery Parachute System

T400 Series Target Drone Recovery Parachute System







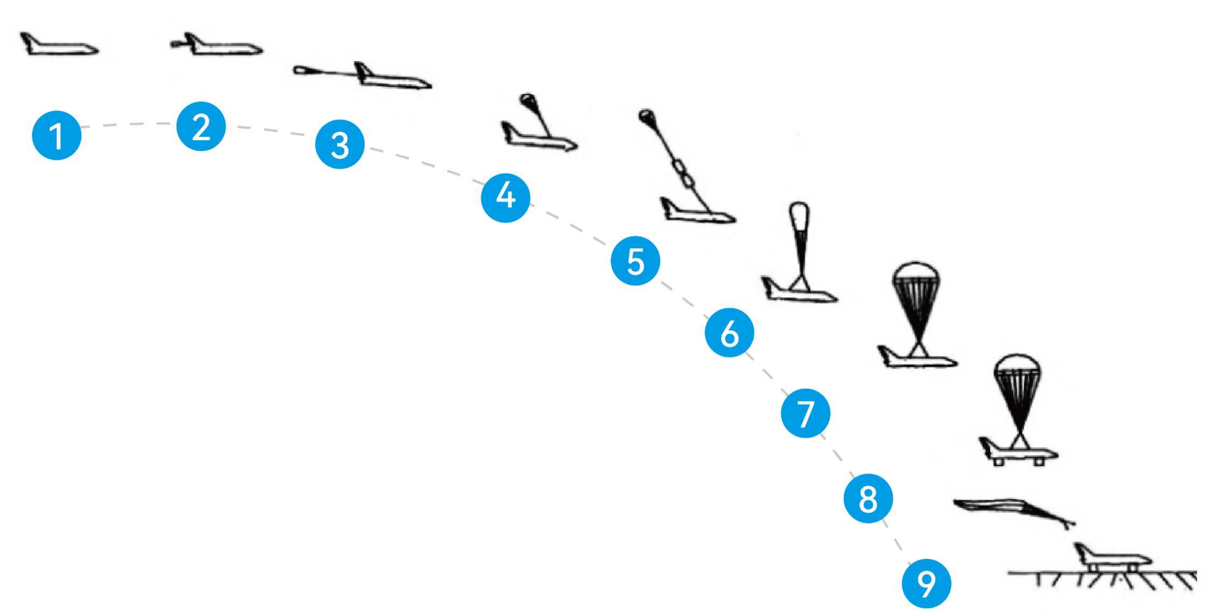
*Provide customized service

Recovery Parachute System

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.

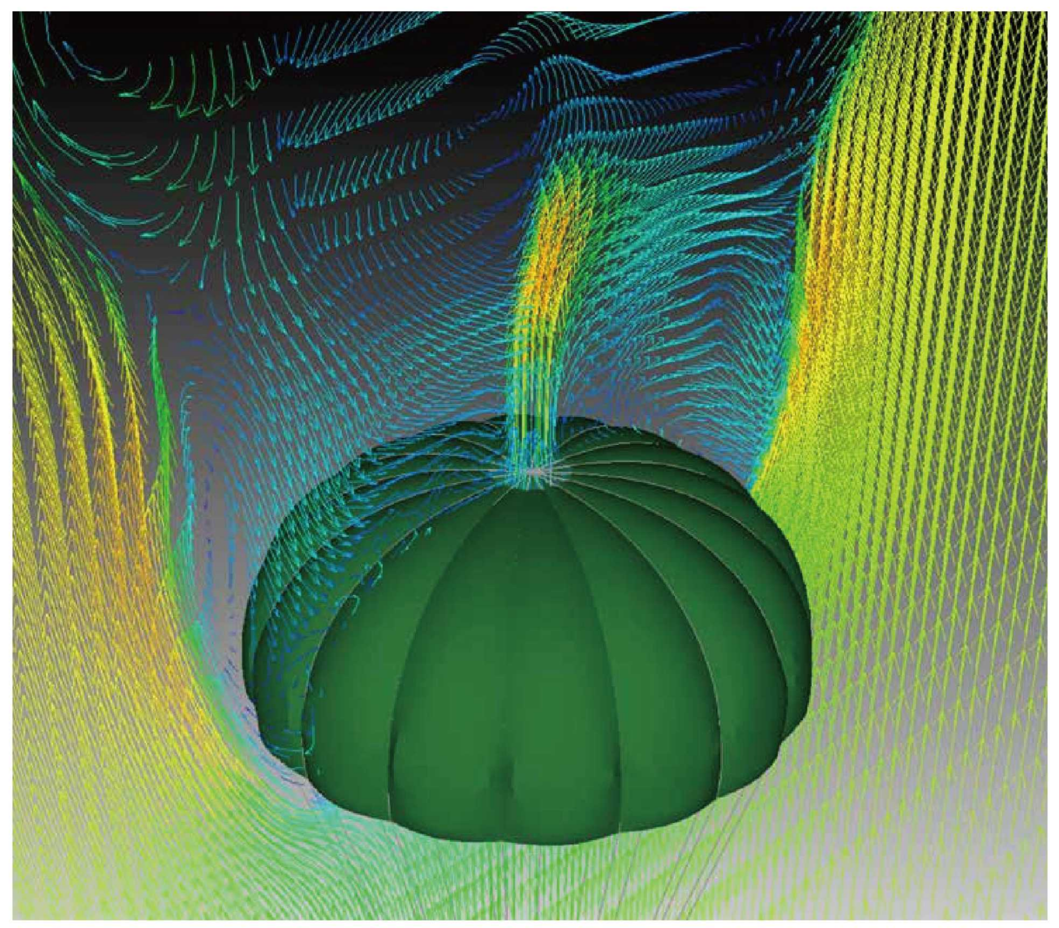
T062 Disconnection Adapter

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

Cargo Parachute System

T500 Series Cargo Airdrop System





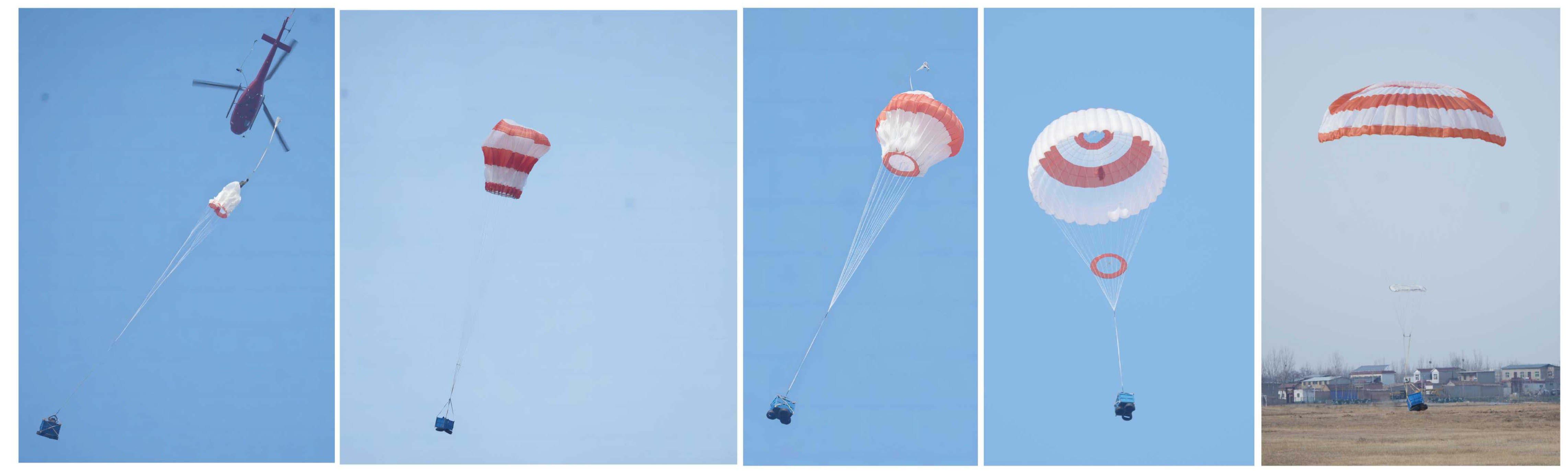

Function

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.

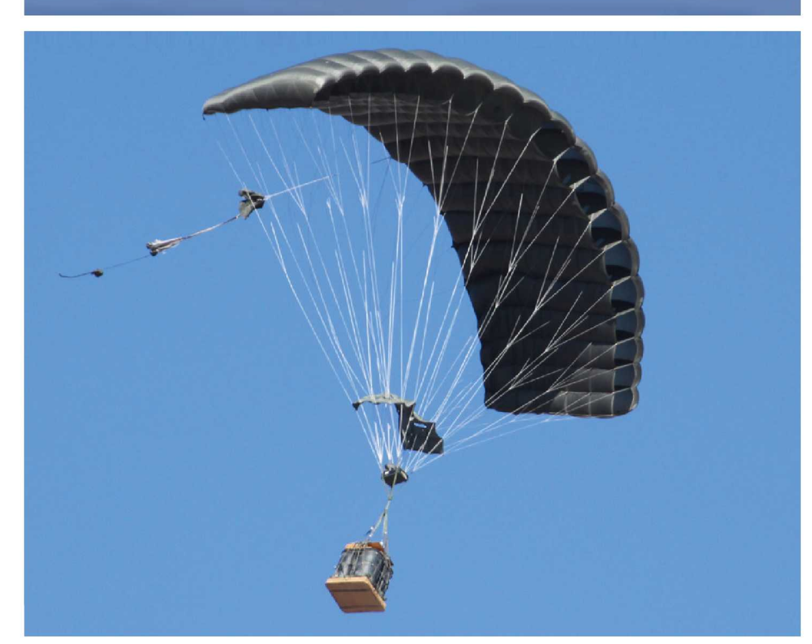
*Customized to suit your needs

Cargo Parachute System

High Delivery and Low Opening



Precision Airdrop

Drone Airdrop