

T193 Series eVTOL Parachute Recovery Systems

with Gas-Ejected Micro-Rocket Deployment Technology



SYSTEM INFORMATION

KEY FEATURES

The T193 Series is engineered as an integrated safety solution for multirotor aircraft and eVTOL platforms. Designed for lightweight integration, intelligent deployment, and high reliability, it is designed to meet the demanding safety requirements of multirotor and eVTOL operations.

APPLICATIONS

The T193 Series multirotor/eVTOL Parachute Recovery System is designed to enhance aircraft survivability during emergency situations, including mid-air collisions, structural failure, loss of control, pilot incapacitation, and scenarios where a safe forced landing is not possible.

MAXIMUM DEPLOYMENT SPEED

220 km/h

MAINTENANCE INTERVAL

6 Years

OPERATING TEMPERATURE

-40℃ to +60℃

TECHNICAL SPECIFICATIONS

Design Service Life <— — —>12 Years

SKYEAGLE PARACHUTE



*Illustration based on representative application scenarios; not an actual product image.

T193 Series Technical Specifications

Model	T193-250	T193-350	T193-500	T193-650	T193-800
Maximum Deployment Weight	250kg	350kg	500kg	650kg	800kg
Container Dimensions	⌀ 206mm*364mm	⌀ 206mm*424.5mm	⌀ 206mm*504mm	⌀ 306mm*469mm	⌀ 306mm*506mm
System Weight ①	7.2kg	8.7kg	11.6kg	14.3kg	14.28kg
Deployment Time	3s	3s	3s	4s	4s
Minimum Deployment Altitude	60m	60m	60m	70m	70m
Maximum Descent Speed ② *at 1500 m AMSL, standard temperature	≤7m/s comparable to a free fall from 2.5 m	≤7m/s comparable to a free fall from 2.5 m	≤7.5m/s comparable to a free fall from 2.9 m	≤7.5m/s comparable to a free fall from 2.9 m	≤7.5m/s comparable to a free fall from 2.9 m
Canopy Area	71㎡	92㎡	110㎡	140㎡	185㎡
Activation Method	Manual Activation/Flight Control Activation				
Sequencer Communication Interface	CAN/PWM/RS-232				
Sequencer Power Input	12-36V				

①Total system mass includes all parachute recovery system components, including canopy, suspension lines, deployment mechanism, and container assembly. The system mass is considered within aircraft payload and performance calculations.

② Vertical descent rate measured at maximum takeoff weight after complete parachute deployment and stabilization under steady-state descent conditions.