



Overview

ParaZero addresses the industry's most difficult challenge by offering a smart and intuitive solution designed to be the world's best autonomous drone safety system. The System reduces risk to people, property, drone and payload.

ParaZero's drone safety system is an end-to-end solution that is designed for DJI's Phantom 4 series configurations (excluding RTK).

The lightweight system independently monitors key flight parameters in real-time and detects critical failures. When a critical failure is identified, the systems deploys autonomously and activates:

- > A mechanical flight termination system that stops the rotors to avoid entanglement, and reduce laceration injuries.
- > A parachute deployment mechanism that launches the parachute in a fraction of a second, reduces the descent rate, and is designed to enable safe flight over people even at low altitudes.

Solution Benefits

- > **Autonomous Triggering** - The autonomous system identifies loss of control and decides on the recovery.
- > **Low Altitude Capabilities** - The combination of autonomous triggering capabilities along with SafeAir's high performance parachute launcher enable safe emergency recovery even at very low altitudes.
- > **Mechanical Flight Termination System** - The system stops the rotors, preventing parachute entanglement and mitigates the risk of laceration injuries.
- > **Black Box** - Collected data is stored and can be used for post deployment analysis.
- > **Easy to repack and reuse by the user**
- > **Lightweight, sleek and smart design**
- > **Reduced insurance costs**

Technical Information

Total weight: **0.35 lbs**

Average altitude loss from failure to full deployment: **31.2 feet**

Average descent rate: **16.7 feet per second**

Average impact energy: **14.9 ft lb**

Compatible with **DJI Phantom 4 series** (excluding RTK)



PARAZERO
DRONE SAFETY SYSTEMS

