BURSTPOD-50

Kinetic Countermeasure for Tactical Drone Defense

MISSION NEED

As unmanned systems become cheaper, more autonomous, and harder to trace, traditional electronic warfare (EW) countermeasures face limitations – particularly against low-flying, fast-moving FPV drones and swarm-style attacks. BurstPod-50 provides a simple, physical solution to neutralize these threats at close range.

CAPABILITY OVERVIEW

BurstPod-50 is a handheld, CO_2-powered launcher that ejects a burst of Mylar entanglement streamers upward at hostile drones. The streamers physically tangle drone rotors mid-flight, causing controlled in-air failure without shrapnel or electronic signal interference.

- Mechanical Activation: Pull-ring trigger – zero electronics, zero RF signature.
- Top-Only Nozzle Ejection: Directs payload in a vertical cone to intercept overhead UAVs.
- Mylar Payload: Lightweight, conductive/reflective variants available for enhanced visibility or radar reflection.
- MOLLE Compatible: Optional field-ready clip attachment for soldiers or static security teams.
- Reloadable Variant Available

DOD ALIGNMENT

DoD Strategic "Way"	BurstPod Application
Defend Against Unmanned Systems	Tactical last-resort defense against drones that breach perimeter or descend into line-of-sight.
Deliver at Speed & Scale	Inexpensive, easy to train with, and manufacturable at scale – deployable to all CONUS/OCONUS bases.
Low-Cost Offset	Cost per unit significantly lower than current directed-energy or EW-based solutions.
Passive Defense Layer	Requires no power, radar, comms, or integration – ideal for frontline units and austere environments.

CONOPS

- Installation Defense: Issued to guards at airbases, depots, forward operating bases.
- Convoy/Vehicle Teams: Compact variant stored in tactical vehicles for short-range protection.
- Naval / Maritime: Can be adapted for shipboard use as non-electronic close-range defense.
- Training Use: Non-lethal training tool for drone interception drills or C-sUAS simulations.

STATUS

- Technology Readiness Level (TRL): 3–4 – Concept validated.
- Path to TRL 6: Feasibility testing + DoD-partnered field trials.
- IP Status: Provisional patent in development.
- U.S.-based manufacturing options under review.

CONTACT

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