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STORM UNMANNED SYSTEM

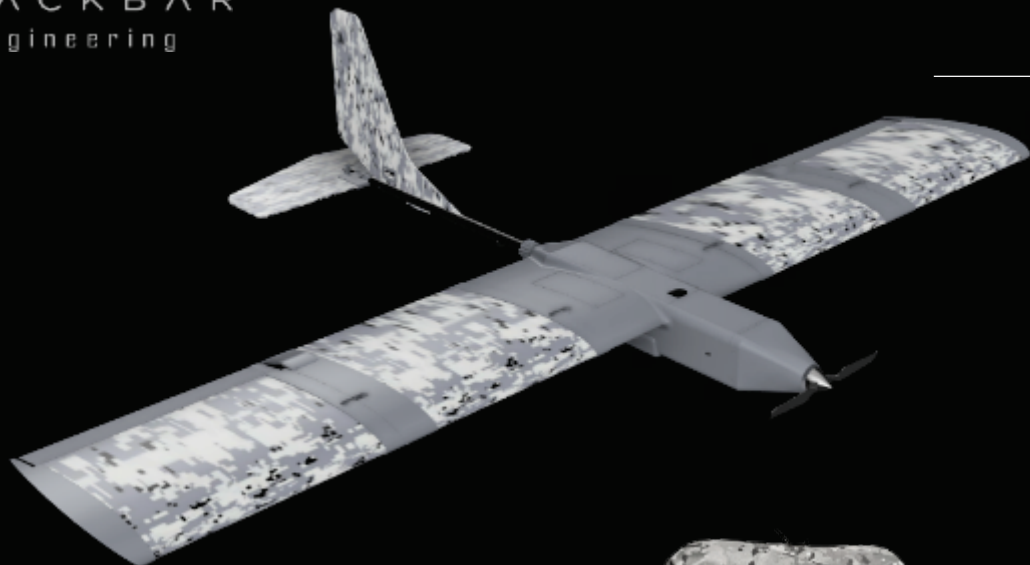
The STORM is a highly versatile, completely backpackable, and single-operator capable Unmanned Aerial System (UAS) adept at adapting to any Group 1 mission set. Built entirely out of lightweight additive-manufactured nylon & carbon fiber and commercial-off-the-shelf (COTS) components, the STORM was designed for immediate quick reaction perimeter security, Pattern of Life (POL) tracking, convoy following, and persistent use Reconnaissance, Surveillance, and Target Acquisition (RSTA) operational requirements in a variety of congested and contested environments. The STORM employs a completely modular, open architecture to support interoperability, reduced training requirements, and field expediency.

The backpack weighs a total of 17 lbs and is easily transportable by a single operator. The STORM can be set up and hand launched (standing, kneeling, and prone positions) in under 10 minutes from backpack configuration without the use of any tools. Takeoff to loiter is a completely autonomous operation.

All integrated electronics, avionics, and power systems are made in the United States.



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CAPABILITIES & SPECIFICATIONS

Single Man Packable
Field Expedient
Ruggedized Handheld GCS
Open Architecture
Mesh Network Capable
Various Levels of Encryption

Modular Payload
Minimal Visual and Acoustic Signature
COTS Components
Support Equipment Included
Water Resistant Airframe
Smart Battery

SPECIFICATIONS

Wing Span	91 IN 1.97 M
Nose-to-Tail	49.3 IN 1.25 M
Weight (Fully Integrated)	12 LBS 5.4 KG
Payload Weight	1 LB 0.45 KG
Cruise Speed	40 KTS 46 MPH
Dash Speed	90 KTS 103.57 MPH
Endurance	120 MINS
Range	20 MI 32 KM (119 KM Tested by Radio Manufacturer)
Operational Ceiling	2,000 FT 610 M AGL
Payload	EO/IR Zoom: 40x (20x + 2x digital) Thermal: 640 x 480
Data Link	All Command & Control (C2), IP Video Streaming, Network Redundancy AES 256 Encryption with Federal NIST Standard FIPS-2 Level Compliance Multipath and MLOS Multiple Input Multiple Output (MIMO)