



Twister

Short-Range eVTOL sUAS

Compact tactical ISR platform for dynamic small-scale operations



Technical Specifications

Wingspan	4.1 ft / 1.25 m
Length	1.97 ft / 0.6 m
IP Rating	IP54
Data Link Range	15 km
Data Link Freq.	2.2 - 2.5 GHz 4.4 - 4.9 GHz
Data Encryption	AES 256
AI Processing	NVIDIA Jetson Orin

Flight Performance

MTOW	8.4 lbs / 3.8 kg
Flight Endurance	90 min
Speed Range	42.5 - 47 mph
Wind Tolerance	22 mph (ground) 27 mph (air)
Max. Take-Off Altitude (MSL)	10,498 ft / 3,200 m
Max. Operating Altitude (MSL)	12,139 ft / 3,700 m
Operating Mode	eVTOL

Twister is a rucksack-portable, rugged eVTOL sUAS that delivers visual and acoustic aerial intelligence for critical short-range ISR missions.

Designed for fast, flexible, and low-signature operations, Twister enhances situational awareness across missions ranging from reconnaissance and surveillance to artillery targeting, border security, disaster response, and law enforcement.

With a two-minute deployment, encrypted communications, low acoustic signature, and a stealth-optimized design, Twister is built for fast, discreet operations across both military and public safety missions.

Equipped with the Quantum Bluenode module, Twister supports full MAVLink and ATAK interoperability via Cursor on Target (CoT), enabling seamless integration with third-party systems and scalable, software-defined defense solutions.

Sensors



NextVision
Nighthawk2-UZ

Zoom	40x (20x optical; 2x digital)
IR Resolution	1280 x 720p
IR Zoom	4x digital

Additional Capabilities

360 Continuous Rotation; GEO-Lock; Object Tracking; KLV-Stream; Image Stabilization



AVT Australia
CM62 Series

EO Zoom	23x (@720p) + 2x digital; total 47x
EO Resolution	1080p, 720p, SD
IR Zoom	4x digital

Additional Capabilities

H.264 & H.265 Video Encoding; GEO-Lock; Object Tracking; Scene Steering, stabilisation & Roll Correction; Altitude Control


Family of Systems

Built for scalability, interoperability, and dominance, our Family of Systems integrates three VTOL platforms for AI-powered situational awareness in multi-domain operations. With autonomous UAS ready for any ISR mission, this aerial intelligence toolkit ensures warfighters have the right asset at the right time, enabling swift decisions and mission success in dynamic environments.

Reliant

Vector AI

Twister



Key Features

ULTRA-PORTABLE

Compact, rucksack-portable platform that can be launched from confined areas in under two minutes by a single operator with no additional tools required, ensuring maximum mobility and operational agility for warfighters on the move.

SWARM-ENABLED ISR

Force multiplier across tactical units with swarm capability, providing distributed planning with minimal user intervention and overlapping ISR coverage in larger, distributed operations.

EW-RESILIENT COMMUNICATION

Delivers uninterrupted ISR with dual-band connectivity, AI-driven anti-jamming, automated frequency shifts, and mesh networking for secure, reliable intel.

AI-POWERED TARGETING

Onboard AI enables real-time object detection, classification, and tracking, delivering actionable intelligence and faster threat response at the tactical edge.

