

TWISTER**Short-Range eVTOL sUAS**

TwisterTM

Short-Range eVTOL sUAS

Compact platform for dynamic small-scale operations

Twister is a compact, rucksack portable eVTOL (electric vertical take-off and landing) sUAS that delivers realtime, high-resolution video. With its embedded artificial intelligence (AI) computing, Twister not only equips the operator with situational awareness via live video, but it also supports decision-making with

on-screen object detection, tracking, classification and identification, even in GNSS-denied environments. Twister can be deployed autonomously in less than two minutes and operators can control multiple aircraft at once.

Flight Performance

Max. Flight Time	90 minutes	Max Wind Tolerance (hover)	10 m/s (19 kn)
Cruise Speed	19-21 m/s (37-41 kn)	Max Wind Tolerance (cruise)	15 m/s (29 kn)
Operating Temperature	-20°C to +50°C (-4°F to 122°F)	IP Rating	IP 54 (ingress protection)

Technical Specification

 Take-off Weight 2.8 - 3.5 kg	 Maximum Take-Off Altitude 3.000 m	 Frequency 2.3-2.5 GHz (encrypted)
 Wingspan 1.25 m	 Ground Control Station SRoC	 Payload Capacity max 350 g
 C2 & Video Range 15 km	 AI/Mission Processor NVIDIA Jetson ORIN NX 16 GB	 Flight Endurance 90 minutes
 Rucksack Portable 6 - part kit	 Drone port compatibility Completely automated missions	 Command Range 15 km

Sensors



Nighthawk2-UZ

Zoom: 40x
(20x + 2x digital)



QBase Tactical

The most convenient software solution to plan automated missions.

Simple and easy to use
Safe and precise flight paths



SYSGRATION®

6Fl., No.1,Sec.1, Tiding Blvd., Neihu Dist., Taipei City, Taiwan

marketing.amd@sysgration.com | 02-2790-0088 | amd.sysgration.com