



UNMATCHED TACTICAL
PERFORMANCE & EFFICIENCY

G2



INTRODUCTION

Covert & Endurance Redefined

G2, a game-changer in UAV technology designed for superior performance and versatility. This advanced drone delivers real-time video streams around the clock, thanks to its cutting-edge Ground Control Station (GCS).

With its remarkable endurance, extensive range, and lightweight build, the G2 stands out as one of the most efficient drones available. Its innovative frame ensures rapid deployment and turnaround, making it perfect for covert surveillance and handling high payloads with unparalleled stability. Discover the Sentinel G2 and revolutionize your tactical capabilities.



G2-Drone Specification

DRONE CHARACTERISTICS

Frame Dimensions	60 cm x 60 cm x 30 cm
Proppeller Size	43 cm
Max Payload	Up to 1 Kg
TOW Weight	Up to 4 Kg
Battery	Li-Po 24V
Propulsion System	4 electric motors and propellers
Storage Temperature	-15°C to +60°C / -60°F to +140°F

PERFORMANCE

Endurance	Up to 80 minutes
Range	Up to 5 km LOS
Max Speed	Up to 75 km/h
Wind Limit	15 knots / 28 Km/h max
Covert Distance	150 meter
Operating Altitude	100-1000 ft. / 30-300 m AGL
Operating Temperature	-10°C to +50°C / -50°F to +122°F



GROUND CONTROL SYSTEM

Reliable. Mission-Ready

The Sentinel GCS is a portable control unit built for fast-paced operations in the field. With an intuitive interface, it simplifies mission planning, flight control, payload management, and real-time drone monitoring—all in one streamlined system.

A live video feed and moving tactical map keep operators fully informed at every stage. The rugged console includes a built-in computer with optional touchscreen, and a separate video display for flexible, tripod-mounted setups and greater freedom of movement.

Designed for versatility, the Sentinel GCS seamlessly supports the full range of Aero Sentinel drones—giving your team one unified control hub for every mission.

Build	Glassfibre composite housing
Computer	MIL-STD rugged toughpad
Datalink	Built in datalink 10 km range
Encryption	AES 256
Endurance	5 hours
Handling	Shoulder straps, Tripod mount
Storage Temperature	-15°C to +60°C / -60°F to +140°F





G2 PAYLOAD OPTIONS

Snonit-Small Form, Big Mission Advantage

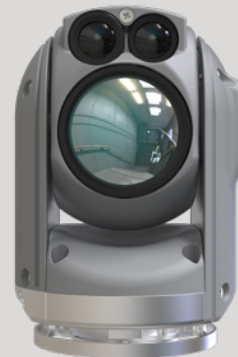
Snonit is a dual EO-IR 3-axes camera with a mere weight of 180gr [6.3 Oz]. Snonit delivers unparalleled performance at compact packaging.

- Zoom : EO: X26 (X13+X2 digital)
- FOV : 60° WFOV – 4.5° NFOV – 2.2° DFOV
- Thermal Resolution : 640×480
- Pitch FOR: -45° to +135°
- Roll FOR: -180° to +180°
- Weight : 180 grams [6.3 oz.]
- Dimensions : D-84mm x W-58mm x H-82mm

Kfir-High-Res Precision for Day & Night

Kfir is a dual EO-IR stabilized camera turret crafted for long range observation applications that demand very low weight. Embodying technology innovations, Kfir provides unmatched capabilities.

- Zoom : x20 + x2 digital (total x40)
- HFOV : 60° WFOV – 3° WFOV – 1.5° DFOV
- Thermal Resolution : 1280×720
- Pitch FOR: -45° to +135°
- Roll FOR: -180° to +180° Optional 360° Continuous
- Weight : 350 grams
- Dimensions : D-64mm x H-94mm



Dror-Micro Gimbal, Maximum Tactical Reach

Dror is a dual EO-IR stabilized camera with a mere weight of 115 grams offering unparalleled long range observation capability.

- Zoom : x20 + x2 digital (total x40)
- HFOV : 60° WFOV – 3° NFOV – 1.5° DFOV
- Thermal Resolution : 640 × 480
- Pitch FOR: -45° to +135°
- Roll FOR: -180° to +180°
- Weight : 115 grams
- Dimensions : 40 mm x 40 mm x 65mm





AeroSentinel is a leading developer and manufacturer of advanced unmanned aerial systems (UAS) and tactical drone solutions for defense, security, and public safety. Specializing in lightweight, durable, and mission-ready drones, ground control stations, and payloads, AeroSentinel empowers military, law enforcement, and first responder teams worldwide to gain real-time intelligence and maintain tactical dominance. From design to deployment, AeroSentinel's cutting-edge drone technologies help protect lives, secure borders, and enhance situational awareness- anytime, anywhere.

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