

COMPACT POWER  
FOR TACTICAL ADVANTAGE

G1

A soldier in full combat gear, including a helmet and tactical vest, is shown from the waist up. He is holding a small, white, four-armed drone in his right hand and a white remote control with two antennas in his left hand. The drone has the number '782' printed on its body. The background is a clear blue sky with a faint grid pattern.

## INTRODUCTION

# Tactical, Foldable, Micro UAV

Meet the Sentinel G1, the most agile member of the Sentinel Family—purpose-built for special forces and tactical teams operating in the world's most challenging environments. Compact, foldable, and mission-ready within seconds, the G1 delivers rapid deployment, silent surveillance, and real-time target acquisition.

Co-developed with defense and public safety units, it thrives in GPS-denied and communication-congested zones. Outfitted with our flagship HD dual camera and advanced Ground Control System, the G1 ensures critical intelligence is always within reach.



## G1-Drone Specification

### DRONE CHARACTERISTICS

Frame Dimensions	Folded: 20×28×15 cm    Open: 41×41×15 cm
Proppeller Size	33 cm
Weight	1.45 kg
TOW Weight	Up to 1.6 kg
Battery	Li-Po 16V
Propulsion System	4 electric motors and propellers
Storage Temperature	-15°C to +60°C / -60°F to +140°F

### PERFORMANCE

Endurance	Up to 40 minutes
Range	Up to 3 km LOS
Max Speed	Up to 65 km/h
Wind Limit	15 knots / 27 Km/h max.
Covert Distance	120 meter
Operating Altitude	100-1000 ft. / 30-200 m AGL
Operating Temperature	-10°C to +50°C / -50°F to +122°F





782



## 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





#### G1 PAYLOAD OPTION

## Dror-Micro Gimbal, Maximum Tactical Reach

Built for tactical missions demanding maximum range and minimal weight, DROR sets a new standard for micro stabilized gimbals. Its advanced dual-sensor design provides exceptional observation capability, empowering security and defense teams with reliable long-range intelligence in the most challenging operational environments.

The Dror provides EO/IR object tracking, geolocation, video compression, IP Streaming, video recording, LTE, and license plate recognition capabilities.

- 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




## SYSTEM CONTENT

# In the Rugged Backpack

- Sentinel G1-1 Drone system
- Sentinel Ground Control Station
- 3x Flight batteries (7200 mAh | 14.8 V)
- Flight battery charger
- GCS charger
- Spare props set
- Toolset





 **AEROSENTINEL**

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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