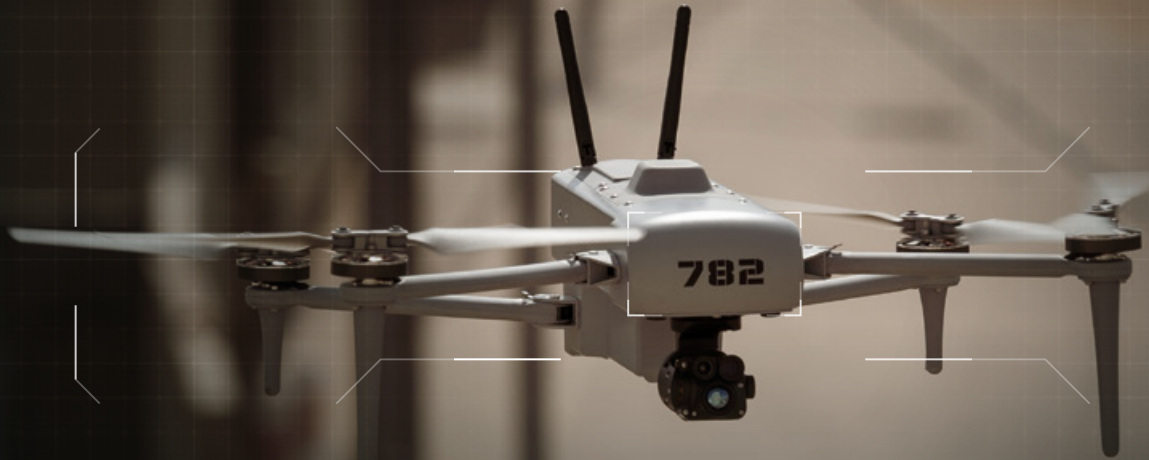


 AERSENTINEL



COMPACT POWER
FOR TACTICAL ADVANTAGE

G1

A soldier in full combat gear, including a helmet and tactical vest, is shown in profile. He is holding a white Sentinel G1 micro-UAV in his right hand and its remote control in his left. The drone has the number '782' on its top. The background is a clear, bright sky.

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 |
| Anti-Jamming | 8-channel adaptive Wi-Fi + L5 GNSS |
| Range | Up to 5 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

www.Aero-Sentinel.com

ARMED 30 Fm Fly To

Altitude 1.25 48°C 99%

32.10773 12.03.58

00:01:48 02.5m

22.50v 325mA 89%

FLIGHT 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 |





782

GI 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





 **AERSENTINEL**

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.

www.aero-sentinel.com
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