Counter Fi

WiFi sensor for
Counter UAS

gradiant
Connectivity · Intelligence · Security
for your business

Counter Fi

Counter Fi by Gradiant is a sensor ready to detect, classify and track WiFi controlled UAS, neutralizing effectively non-allowed UAS under multiple scenarios.

Our solution cab be used in several scenarios and conditions: airports, prisons, power plants, critical infraestructures, film sets, entertainment venues, sport statidums, goverment buildings or events.

Technical details

- ✔ Hardware
- ✔ Odroid C2 Single Board Computer with Linux SO
- ✔ 3 USB WiFi adapters
- ✔ Hub
- ✔ Selectable power supply: AC, DC or baterry
- ✔ In the detection stage
- ✔ 2.4 and 5.8 GHz supported
- ✔ Detection range: up to 1500 meters (under Line of Sight conditions)

- ✔ Time to detection: < 2"
- ✔ Provision of drone and controller MAC address, brand and model
- ✔ In the neutralization stage
- ✔ Different counter measurements: land, shutdown, take the control away from the controller, block video and telemetry, send fake orders
- ✔ Time to neutralize: <3 seconds (after pressing "neutralize")

Neutralize non-allowed UAS

- ✔ 100% passive sensor
- ✔ Compatible with WiFi controlled drones based on 2.4 and 5.8 GHz, particularly: Parrot Family and DJI based on WiFi.
- ✔ Applicable in multiple different scenarios and conditions
- ✔ Neutralization based on cyberattacks
- ✔ Supported counter measurements: land, shutdown, take the control away from the controller, block video and telemetry
- ✔ Two modes of operation: "Stand alone" and "Operation managed".

Integration requirements

Depending on the operation mode:

- ✔ Stand alone: CounterFi performs the neutralization of the drone autonomously. Optionally, the client can implement a program to display system's data. A developer's manual will be provided.
- ✔ Operation managed: The client needs to implement its own program to interact with the system. A developer's manual will be provided.

Private Security

Public Security

The military