

Spoofers are advanced GNSS navigation spoofing devices engineered explicitly for UAVs. Their primary purpose is to enforce area denial, redirect drones to predetermined orientations and manipulate their flight paths to designated locations. When combined with radar, spectrum detection devices and jammers, they can cause drones to crash or force them to land at appointed locations.

FEATURES

All Frequency Coverage

Covering all navigation frequencies of GPS, Beidou, Galileo, and GLONASS, it can implement GNSS navigation spoofing on all models of drones.

High Accuracy

- Intrusion in 3 seconds
- 100% Successful spoofing rate

Quick Response

By utilizing wireless communication channels (4G/5G/WIFI/video transmission), it can acquire ephemeris and time information, enabling quick startup. This allows for rapid countermeasures against sudden drone intrusions. It is better than similar products, which take 5-10 minutes after startup to implement spoofing and requires re-synchronization of timing between two spoofings.

Ease of Use

The spoofing strategies employed by Spoofers are diverse and the configuration is straightforward. The spoofing modes are tailored to match different drone models, ensuring optimal effectiveness. This solution effectively mitigates the impact of operator proficiency on spoofing accuracy.



Skyfend Spoofers

GNSS SPOOFING DEVICE

SPECIFICATIONS

Hardware

Dimensions (mm)

470 × 406 × 204 (body without antennas)

540 × 406 × 204 (antennas retracted)

840 × 406 × 204 (Antenna deployed)

Weight (kg)

8.5

Radius of Antennas (mm)

77

Power (W)

100

Start-up Time(s)

< 10

SPOOFING

Frequencies

All Frequencies of BDS, GPS, GLONASS, Galileo Systems

Signal Power (W)

≤ 5

Effective Range

Customization

Time Synchronization Accuracy(ns)

< 50

Signal Intrusion Time (s)

5~10

Success Rate

100%

Spoofing Accuracy(m)

< 30

Time interval between two spoofings (s)

0

OTHERS

IP Rating

IP65

Power Supply

Battery-powered & 220V AC powered

Operation Time (hr)

8

Operation Temperature (°C)

-30 ~ +60



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