The Spoofer series comprises the portable SSH100 and fixed SSH110 Global Navigation Satellite System (GNSS) spoofing devices, designed for Small Unmanned Aerial Vehicles (SUAVs). These devices emit civilian satellite navigation signals, enabling swift deployment of active defense, directed guidance, and area denial capabilities to alleviate flight restrictions for commercial SUAVs in sensitive airspace. Additionally, when paired with radar, spectrum detection devices, and jammers, they can facilitate highly accurate spoofing and drone crashes.

FEATURES

All Frequency Coverage

Covering the major navigation frequencies of GPS, Beidou, Galileo, and GLONASS, it can implement GNSS navigation spoofing on all models of drones. With hybrid ephemeris mode, it can initiate spoofing in GNSS-denied environments.

High Accuracy

Intrusion in 8 seconds
100% Successful spoofing rate

Quick Response

It supports obtaining satellite ephemeris and system time over the network, achieving fast startup. In the event of sudden drone intrusions, it can swiftly execute spoofing operations, with no need for oper-ations such as re-synchronization between two successive spoofing attempts.

Ease of Use

The spoofing strategies employed by Spoofer are di-verse 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 profi-ciency on spoofing accuracy.

SPECIFICATIONS

Hardware

Dimensions (mm)

540*406*204 (main device)

840*406*204 (antennas deployed)

Weight (kg)

8.5

Radius of Antennas (mm)

50

Power (W)

60

Start-up Time(s)

< 10

SPOOFING

Frequencies

Support for full sys-
tem UAV spoofing of GNSS (BDS/GPS/GLONASS/Galile
o)

Transmit power (W)

⩽ 3

Effective Range (km)

2~5 （range adjustable)

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)

4.5

Operation Temperature (C°)

-20 ~ +55

SPECIFICATIONS

Hardware

Dimensions (mm)

374*300*264.5 (excluding tripod and antenna)

374*300*317 (including antenna)

374*300*317+1546 (including antenna+tripod)

Weight (kg)

Overall Weight (excluding tripod): 10

Overall Weight (including tripod): 17

Radius of Antennas (mm)

77

Power (W)

130

Start-up Time(s)

< 10

SPOOFING

Frequencies

Support for full sys-

tem UAV spoofing of GNSS (BDS/GPS/GLONASS/Galileo)

Transmit power (W)

⩽ 10

Effective Range (km)

5~10 (range adjustable)

Signal Intrusion Time (s)

5~10

Success Rate

100%

Spoofing Accuracy(m)

< 30

Time interval between two spoofings (s)

0

OTHERS

IP Rating

IP67

Power Supply

220V AC powered

Operation Temperature (C°)

-20 ~ +55