UAMS-C01 GPS Spoofing

Specification Sheet

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1 Function and Purpose

The C01 drone GPS spoofing system is a countermeasure device based on satellite navigation signal simulation and jamming technology.It can achieve accurate positioning misleading, hovering or forced landing control of drones. It can be used in sensitive area protection, counter-espionage reconnaissance, event security and other scenarios to ensure low-altitude full-area safety.

1.1 Product Features

1) Multi-band coverage

Support GPS/L1(1575.42MHz ± 1.023MHz)、

BDS/B1(1561.098MHz ± 2.046MHz)、

GLONASS/G1(1602MHz ± 4MHz)、

GALILEO/E1(1575.42MHz ± 12.276MHz) Simulation.

2) Multi-mode selection

Support for directional repulsion, navigation interference, and navigation forced landing of drones.

3) Multi-device linkage

C01 can be used in conjunction with unmanned aerial vehicle spectrum detection systems, radar detection systems, and electro-optical tracking and identification systems to achieve automatic detection and early warning, tracking, identification, positioning, and automatic defense, creating a 24-hour unattended defense posture.

4) Flexible deployment and Ease of Operation

C01 is lightweight, can be set up by a single person, making it convenient for users. Additionally, the human-machine interface is intuitive and straightforward, and the configuration is simple.

1.2 Product Specifications

1) Working frequency :

GPS/L1(1575.42MHz ± 1.023MHz)、

BDS/B1(1561.098MHz ± 2.046MHz)、

GLONASS/G1(1602MHz ± 4MHz)、

GALILEO/E1(1575.42MHz ± 12.276MHz);

2) Navigation Spoofing Feature: Drone No-Fly Zone Projection (Forced Landing), Directional Displacement;

3) Defense distance: directional 50km, omnidirectional 5-10km;

4) Deception intervention time: 2s;

5) Effective deception angle: horizontal: 360°, vertical: ±90°;

6) Signal transmission power: ≤120W(Adjustable);

7) power consumption: ≤240W;

8) Height：≤10kg;

9) Protection level: IP65;

10) Structural dimensions :400mm *280mm * 112mm;

11) Power supply method: 220V AC alternating current;

12) Data Interface: Network Port;

2 Shipment and Quality

2.1 Shipping list

Case	1pcs
Launch Antenna	Default: Fiberglass antenna; Support customization
Receive Antenna	GPS receive antenna
Power Cord	1pcs
RJ45 Network cable	1pcs

2.2 Delivery method

1）It is transported in the form of a complete machine and does not support SKD or CKD full frequency band coverage

2）Pre-shipment testing is conducted to ensure functionality and quantity

3）Provide technical guidance and, if necessary, offer on-site installation guidance by technicians

4）Customized aviation box

2.3 Quality Assurance

From the date of sale, if the damage is not caused by human factors, it is guaranteed for one year.

# 3 Installation Manual

3.1 Installation diagram

RF-OUT for Launch Antenna,RF-IN for Receive Antenna,connect AC220V power cord,connect the device to the computer with network cable.

3.2 IP address setting

3.3 usage instructions

connect the power cord for power supply,the device to the computer with the network cable,turn on the power switch,and open the control software. Control_Software
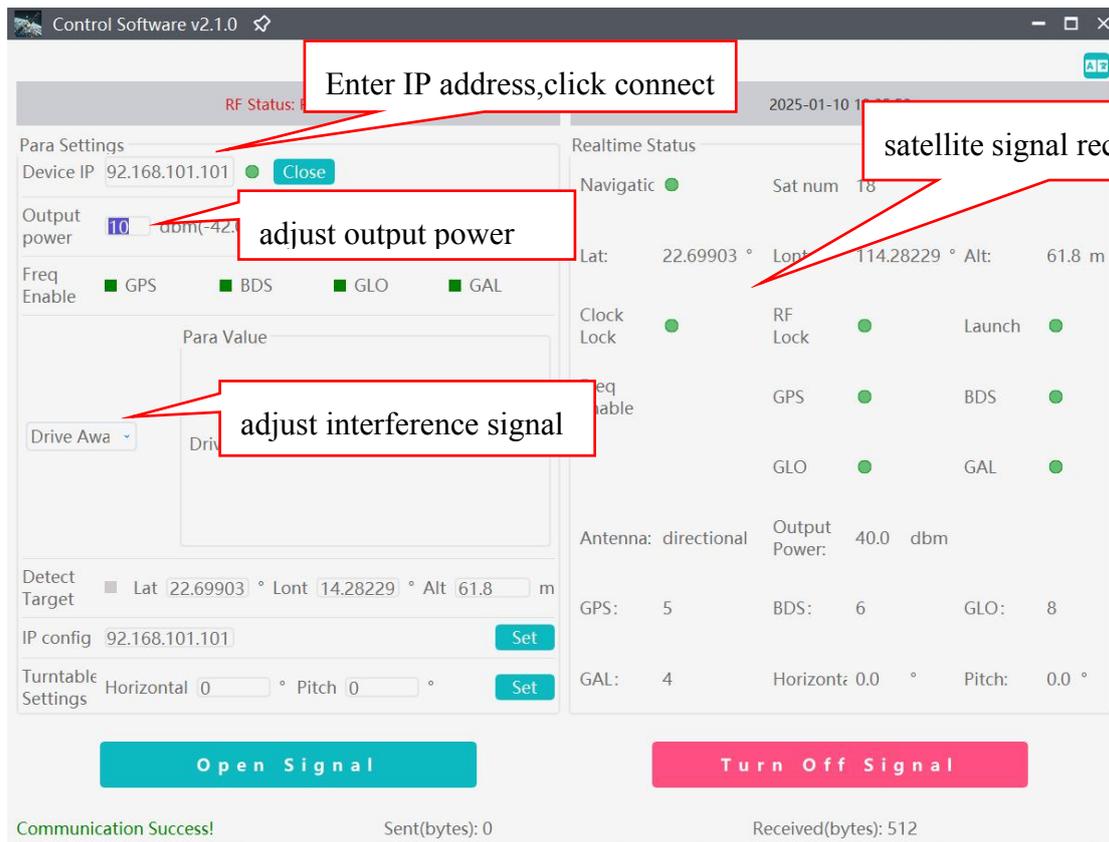
Attention：Satellite and clock must be green，after the quantity of Satellite displays number,click 'Open Signal' button.