## Small Size Navigation spoofer module Specification Sheet

- —, Function and Parameters
  - 1. 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. Directional dispersal (dispersal conducted in a specified direction);
  - 3. Navigation interference (disrupting the GPS positioning of drones);
  - 4. Navigation forced landing;
  - 5. Circling function (forcing the drone to hover in mid-air);
  - 6. Power output range: -70dbm~+20dbm(default output10dbm);
  - 7. Power adjustment step: 1dB;
  - 8. Power-on initialization time: <60秒 (RMS)
  - 9. Deceptive distance: >1500m;

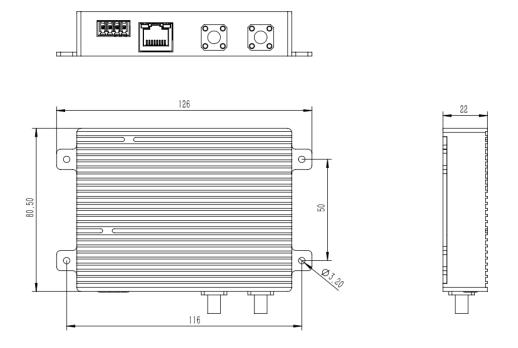
10.Intrusion time: <10s:

- 11.communication information: UDP Protocol;
- 12. Receiving antenna interface: SMA-K;
- 13. Transmitting antenna interface: SMA-K;
- 14.power supply: DC12V/1A, industrial interfac

e.

15.size: 12.6\*8.05\*2.2cm(Subject to the actual product.)

Structural diagram, interface diagram, model diagram, and physical diagram





Physical object diagram

## 三、 Module Interface Description

1. Power supply and TTL level IO interface: This interface adopts an industrial 4P socket form, with specific definitions as shown in the following table:

Pin Number	Name	Desciption
12V +	Input power supply 12V positive terminal	Input power positive
12V -	Input power 12V negative pole	GND
IO 1 pin(TTL)	Ready indication (TTL level)	Steady on: The transmission conditions are met, mainly used to indicate the ready state after power-on Flash: Insufficient search satellites Slow flashing: Clock quality is abnormal
IO 2 pin(TTL)	Transmit indication (TTL level)	High level is the transmission signal, low level is the shutdown signal, which can be used as the power amplifier control termi nal or transmission status indication

- 2.Receive: SMA-Kinterface, Used for receiving satellite navigation signals, this interface defaults to using an active receiving antenna (5VDC).
- 3.Transmit: SMA-K interface, for signal output, since the module has a bui lt-in power amplifier, it is required that this interface be reliably connecte d to the transmitting antenna (passive) during use, and prolonged open-ci rcuit conditions are prohibited when transmitting signals.