



## Product Description

### Low Altitude Security Radar Effective Detection and Response for Border Protection

#### 1, Equipment Overview

The unattended electronic sentinel consists of detection equipment, aggregation devices, and mobile terminals. It is an intelligent security system integrating detection, perception, and response. It features low power consumption, no reliance on external support, long standby time, self-wake-up, rapid deployment, high reliability, and concealment. Deployed in key control areas such as mountain passes, channels, and uninhabited islands, it is used to prevent illegal border crossings, smuggling, infiltration, and other disruptive activities.



## Core System Functions



## 3100C Man-Portable Radar

Parameters	
Working Principle	Phased Array/Pulse Doppler
Working Band	C Band
Azimuth Coverage	≥90°
Elevation Coverage	≥18°
Man Detection Range	100m-2km
Vehicle Detection Range	100m-3km
Ship Detection Range	100m-3km
Detection Range Speed	1.8km/h-108km/h
Data Rate	2Hz
Simultaneous Target Detection	200
Data Interface	Wireless Transmission (Supports RJ45)
Rated Power Consumption	≥45W, Terminal 30W
Power Supply	DC 19V
IP	IP65
Working Temperature	-20°-55° (Customized)
Size	Backpack 38.1cm*25.5cm*55.7cm Radar 35.8cm*29cm*9.2cm
Endurance	≥4H
Installation Time	5 Min
Weight	18kg

## 2, Parameter

Parameter	Value
Working Band	C Band
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## 3, Application characteristics

### 1) Strong environmental adaptability

It can meet the needs of border and coastal defense monitoring points, mobile deployment of sleeper posts, and difficult deployment in harsh environments.

### 2) Module composition and operation

Modular design, product maintenance, testing, parts replacement and display control software independent testing, management and maintenance is convenient and fast.

### 3) Model configuration flexible

Plateau type is suitable for altitude ≥3000m region; The ordinary type is suitable for the altitude < 3000m area, the portable type is self-powered by the battery for temporary duty tasks, and the fixed type is suitable for areas with power supply and transmission conditions.

### 4) Data transmission security

It has security issues such as preventing illegal device access and information leakage.






#### **4, After-Sales service**

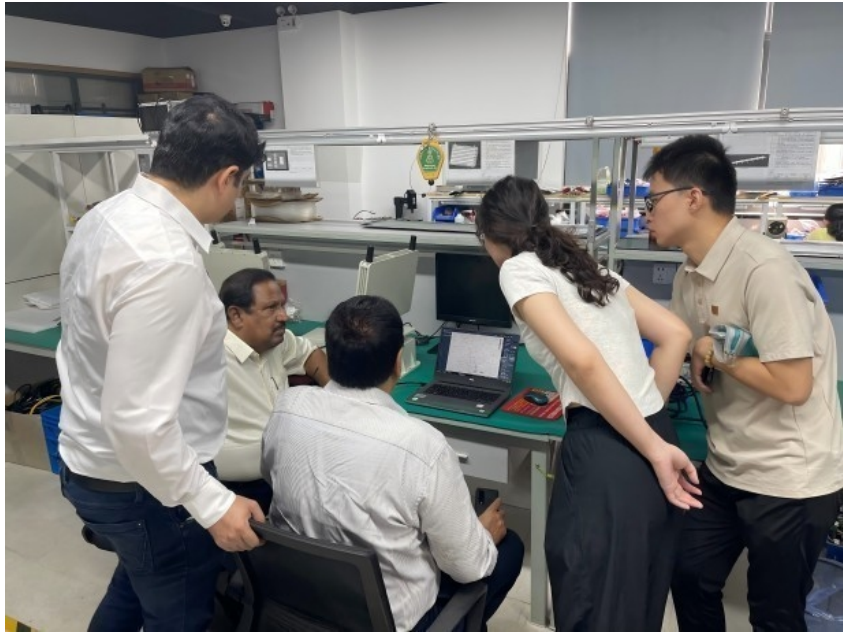
1. We offer 24 hours service after sales
2. If there are any usage or quality issues with the product, we provide online technical support to diagnose the cause of the problem.
3. Should you find the products unsatisfactory, kindly return it to us within a period of 3 months from the date of dispatch. Upon receipt and inspection, should the products be found to be free from any damage attributable to human factors, a full refund will be granted. Alternatively, we can engage in discussions to amend the product and subsequently reship the product to you.

#### **5, Buesiness Partner**

**Afreican Parks** Counter-UAV Strategic Partnership



Park Manager or Delegated Manager	Procurement Officer/Po	Finance Manager/Controller
Habteyesus Mathewos TADESSE	Chantal KABIBAHOU	Virgile HOUNGBEDJI
		
Suspicious behavior? Send an anonymous message to <a href="mailto:afri-parks@windstreaming.it">afri-parks@windstreaming.it</a>		







## 6, Certification Certificate



## 7, Company profile

Chongqing Miao Yitang Technology Co., Ltd. is a specialized company engaged in anti-drone and unmanned intelligent defense management. With the technical support from the AI Internet of Things Research Institute of the Chinese Academy of Sciences and collaborations with multiple intelligent AI companies, the company has established research laboratories for AI unmanned field products, accumulating a variety of technical patents.

The company's products are widely applied to unmanned automatic management solutions for various defense and perimeter areas, including AI anti-drone systems and AI unmanned vehicle patrol systems. These systems integrate with multiple technologies such as optoelectronics, radar, vibration, thermal imaging, facial recognition, and radio frequency management, truly achieving a 24-hour uninterrupted anti-drone defense and ground perimeter defense warning system. This allows for cost savings for clients, reduction in human resource allocation, and ensures the safety of clients' lives and property. The outstanding security system has won the company an excellent reputation and created higher value for its partners.



## 8, Paking and Delivery

**ELECTRONIC SENTRY BORDER SECURITY SYSTEM**

**Product packaging**

Size: Length 60cm\* Width 60cm\* height 28cm Weight: 30kg

**Shipped parts**

Device array (including battery)  
(Weight: 18kg)

Tactical backpack

Power adapter 20V5A

Hardened tablet  
(including 1 touchscreen pen)

Tablet power adapter

Lightweight tripod

Certificate of conformity

Instruction manual: Quality inspection record form

Packing list

Accessory 1: Compass

Accessory 2: Scope

Delivered accessory 3: Network cable

**400-808-1878**

**THE SUPREME OUTDOOR SECURITY SOLUTION  
BASED ON DISRUPTIVE RADAR TECHNOLOGY**

## CUSTOMER SERVICE

- \* Fast and patient communication: professional sales reply immediately
- \* Fast delivery: usually 2-7 days
- \* Flexible Safe shipping: fast by air or sea with cheap freight
- \* Customer-friendly: complete user manual and exact video training provided
- \* After sales service: one year warranty and life time technical support



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