

Low-power UAV Spectrum Detection Terminal $\leq 10W$ Consumption For Off-grid Solar-powered Field Site

Our Product Introduction

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Basic Information

- Place of Origin: China
- Brand Name: MYT
- Certification: CNAS、CMA、CAL、ILAC-MRA
- Model Number: KZ-40
- Minimum Order Quantity: 1
- Price: Pricing is negotiable based on order quantity
- Delivery Time: 10 work days
- Payment Terms: TT,LC
- Supply Ability: 1000units per month



Product Specification

- Detection Zone: 360° Horizontal And 90° Vertical
- Detection Coverage: 400MHz-6GHz
- Detection Range: ≥ 3 Km (open Area)
- Device Power Consumption: $\leq 10W$
- Probe Response Time: ≤ 1 Second (RID Signal Parsing), ≤ 2 Seconds (DID Reading)
- Detection Count: ≥ 30 Units (fixed Type)
- Resolution Distance: RID ≥ 2 Km; DID ≥ 3 Km (open Area)
- Signal Capture Sensitivity: ≤ -102 dBm (2.4GHz Band), ≤ -100 dBm (5.8GHz Band)
- Working Temperature: -20°C To 65°C (Portable)
- Levels Of Protection: IP66
- Highlight: low-power UAV spectrum detection terminal, $\leq 10W$ anti drone gun, off-grid solar-powered field site



More Images



Product Description

Low-power UAV Spectrum Detection Terminal $\leq 10W$ Consumption For Off-grid Solar-powered Field Site

1 Product Introduction

KZ-40 low-power UAV spectrum detection terminal features total power consumption $\leq 10W$, targeting energy-saving fixed-site deployment. It supports both grid-connected mains and off-grid solar power systems for remote field locations. Low thermal-generation hardware design lessens heat load for continuous outdoor operation under high-temperature conditions. The unit will automatically resume spectrum scan and parsing tasks after power recovery. It is perfectly suited for isolated power stations, border outposts and other field sites without stable municipal power supply.



2 Specification

ORDER NUMBER	NAME	PERFORMANCE INDEX	REMARKS
1	Detection coverage	400MHz-6GHz	apolegamy
2	Signal capture sensitivity	$\leq -102dBm$ (2.4GHz band), $\leq -100dBm$ (5.8GHz band)	
3	Detection range	≥ 3 km (open area)	
4	Resolution distance	RID ≥ 2 km; DID ≥ 3 km (open area)	DID apolegamy
5	detection zone	360° horizontal and 90° vertical	
6	Detection display	Drone distance, flight altitude, speed, position (including latitude and longitude with precision to 1 meter), aircraft model, aircraft SN, aircraft takeoff point, aircraft return point, and real-time aircraft trajectory, etc.	
7	positioning accuracy	Broadcast accuracy consistent with UAV RID (horizontal $\leq 10m$, vertical $\leq 5m$, open environment)	
8	Detection count	≥ 30 units (fixed type)	
9	Parsing delay	$\leq 200ms$ (from signal reception to information output)	
10	Data feedback method	Supports Ethernet (10/100/1000Mbps) and 4G/5G (long-distance backhaul)	
11	working temperature	-20°C to 65°C (Portable)	
12	size	indeterminate	

13	probe response time	≤1 second (RID signal parsing), ≤2 seconds (DID reading)	
14	power supply mode	Battery-powered or mains power	
15	Device power consumption	≤10W	
16	weight of equipment	indeterminate	
17	levels of protection	IP66	

3 Functional highlight

Low-power UAV spectrum detection terminal: Whole-unit power consumption ≤10W for energy-saving fixed-site running
Mains or solar power for field: Adapt grid-connected power and off-grid solar power system deployment

Low thermal-generation design: Reduce thermal load for long-time outdoor running in high-temperature regions

Auto resume after power restore: Recover scan and parsing task automatically upon power supply recovery

Fit remote outposts: Ideal for isolated power stations and border outposts without stable municipal power

4 After-Sales service

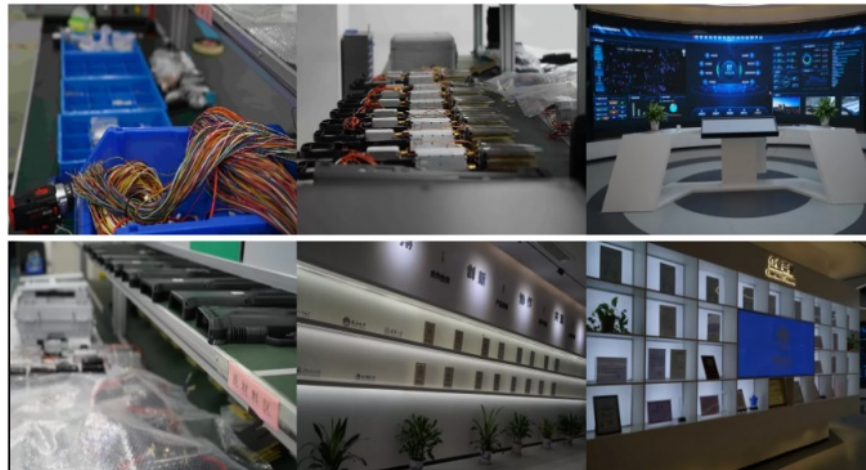
Lifetime free model library upgrades, professional 24/7online service, customizable colors and languages.

5 Certification Certificate



6 Company profile

Chongqing Miao Yi Tang Technology Co., Ltd. is a cutting-edge enterprise forged through collaboration between the Internet of Things Research and Development Center of the Chinese Academy of Sciences, Sichuan University Zhisheng Software Co., Ltd. (002253), and a dedicated founding team backed by a \$12 million investment.



7 Partnership Portfolio

Our products are designed for a variety of public safety scenarios and have long provided customized product services to the military and public safety departments, earning an excellent reputation in practical operations.



8 Paking and Delivery

Supports various logistics methods including shipping, air freight, water transport, and express delivery, covering logistics in 90% of the global regions.



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







Chongqing Miao Yi Tang Technology Co., Ltd.

+8613101235550

gary@chinaantidrone.com

chinaantidrone.com

www.chinaantidrone.com