

KZ-40 fixed UAV RID detection equipment wide band drone spectrum detector with 3km detection range supports 30 concurrent drones IP66 for airport power station critical site airspace safety monitoring

Our Product Introduction

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 Coverage: 400MHz-6GHz
- Signal Capture Sensitivity: $\leq -102\text{dBm}$ (2.4GHz Band), $\leq -100\text{dBm}$ (5.8GHz Band)
- Detection Range: $\geq 3\text{ Km}$ (open Area)
- Resolution Distance: RID $\geq 2\text{ Km}$; DID $\geq 3\text{ Km}$ (open Area)
- Detection Zone: 360° Horizontal And 90° Vertical
- Detection Count: ≥ 30 Units (fixed Type)
- Working Temperature: -20°C To 65°C (Portable)
- Device Power Consumption: $\leq 10\text{W}$
- Probe Response Time: ≤ 1 Second (RID Signal Parsing), ≤ 2 Seconds (DID Reading)
- Levels Of Protection: IP66
- Highlight: **fixed UAV RID detection equipment, wide band drone spectrum detector, IP66 drone detector for airports**



KZ-40 Fixed UAV RID Detection Equipment

1 Product Introduction

The KZ-40 is an integrated fixed-type UAV Remote ID (RID) detection terminal built for reliable airspace safety supervision. Featuring 400MHz-6GHz wide-band receiving capability and high-sensitivity signal capture ($\leq -102\text{dBm}@2.4\text{GHz}$, $\leq -100\text{dBm}@5.8\text{GHz}$), it delivers stable signal acquisition even in dense-urban and heavy-interference electromagnetic environments.

Capable of detecting up to 30 drones concurrently within $\geq 3\text{km}$ open-sky coverage with 360° horizontal & 90° vertical field of view, the unit completes RID signal parsing within $\leq 200\text{ms}$. It decodes comprehensive drone metadata including GNSS position (1-meter display precision), altitude, speed, serial number, take-off & return-home points and real-time flight trajectories.

Supporting Ethernet & 4G/5G remote backhaul over MQTT/HTTPS protocols, the KZ-40 allows OTA remote device configuration and firmware upgrade. Boasting IP66 ingress protection and low power consumption $\leq 10\text{W}$, this rugged detector fits 24/7 continuous monitoring for airports, government perimeters, power infrastructure, large-event venues and oil-gas facilities. Compatible with mainstream UAV RID broadcast protocols, expandable via software update without hardware modification.



2 Specification

ORDER NUMBER	NAME	PERFORMANCE INDEX	REMARKS
1	Detection coverage	400MHz-6GHz	apolegamy
2	Signal capture sensitivity	$\leq -102\text{dBm}$ (2.4GHz band), $\leq -100\text{dBm}$ (5.8GHz band)	
3	Detection range	$\geq 3\text{ km}$ (open area)	
4	Resolution distance	RID $\geq 2\text{ km}$; DID $\geq 3\text{ km}$ (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 ≤10m, vertical ≤5m, open environment)	
8	Detection count	≥30 units (fixed type)	
9	Parsing delay	≤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 After-Sales service

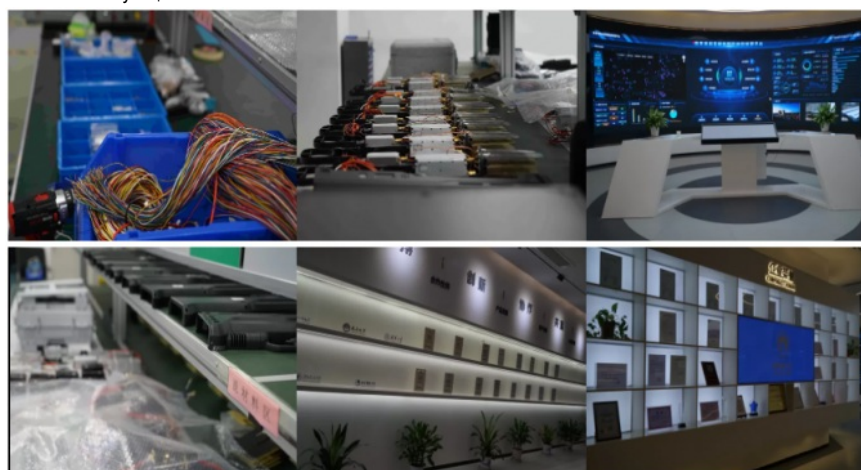
Lifetime free model library upgrades, professional 24/7 online service, customizable colors and languages.

4 Certification Certificate



5 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.



6 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.



7 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



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