SDR-based UAV Detector Supporting OTA Firmware And Signature Library Upgrade Via Bluetooth Or Type-C To Identify Newly Released And Modified Drones

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: MYT
- Certification: CNAS、CMA、CAL、ILAC-MRA
- Model Number: KZ-12(E)
- Minimum Order Quantity: 1
- Price: Pricing is negotiable based on order quantity
- Delivery Time: 10 work days
- Payment Terms: L/C,T/T
- Supply Ability: 1000units per month



Product Specification

- Frequency Range: 300 MHz-13.4 GHz
- Detection Radius: 500 M-5 Km
- Screen Size: 2.4-inch TFT Display
- Power Supply: Typec, Supporting The PD3.0 Fast Charging Protocol
- Protection Level: IP54
- Weight: Approximately 450 G
- Number Of Targets: ≥20 (simultaneously)
- Operation Time: Approximately 8 Hours On A Single Battery.
- Working Temperature: -25 ~+55
- Dimension (L*W*H): 360 * 63 * 54 Mm(with Antenna)
- Highlight: **SDR-based UAV detector**, **handheld drone detector with OTA upgrade**, **Bluetooth Type-C drone detector**



More Images







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Our Product Introduction

Product Description

SDR-based UAV Detector OTA Upgrade Via Bluetooth & Type-C For Expanding Signal Signature Library

1, Overview

KZ-12 (E) This SDR drone detector supports convenient OTA upgrades through Bluetooth or Type-C port. Operators can expand the UAV signal signature library on site without opening the device housing. Continuous library updates improve recognition capability for newly launched and custom-modified drones. The local screen displays upgrade progress clearly to avoid misoperation during the updating process.

2, Highlight Feature

(1) **SDR-based UAV detector:**
Support OTA firmware and signature library upgrade via Bluetooth or Type-C interface
(2) **Expand signal signature library:**
Continuously add new UAV signal fingerprints to identify newly-released drone equipment
(3) **No disassembly required for upgrade:**
Complete firmware update on-site without opening device housing
(4) **Maintain detection adaptability:**
Improve recognition performance against emerging custom-modified drone signals
(5) **Upgrade progress display:**
Show upgrade status on local screen to avoid mis-operation during updating

3, Technical Specifications

Frequency Range	300 MHz-13.4 GHz
Detection Radius	500 m-5 km
Power Supply	Removable Li Battery
Operation Time	Approximately 8 hours on a single Battery.
Dimension (L*W*H)	360 * 63 * 54 mm
Screen Size	2.4-inch TFT display
Working Temperature	-25 ℃ to +55 ℃
Protection Level	IP54
Number of Targets	⩾20
Weight	Approximately 450 g

4, Application Scenarios

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5, Certification Certificate



6, 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.



7, Customer 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.



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