

10km Long Range Fixed c with FPV Video Capture and Pilot Positioning for Infrastructure Security

Our Product Introduction

for more products please visit us on chinaantidrone.com

Basic Information

- Place of Origin: China
- Brand Name: MYT
- Certification: CE, FCC, ISO9001
- Model Number: KZ-02
- 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

- Application: Safety Protection
- Feature: Remote Control
- Detection Frequency: 70 MHz - 6 GHz (Extended To 8 GHz)
- Detection Range: ≥ 10 Km (line-of-sight Environment, -90 DB To -95 DB)
- Positioning Distance: DID ≥ 10 Km; RID ≥ 2 Km
- FPV Video Capture: Supported (≥ 1.5 Km For Analog Video)
- Response Time: ≤ 5 Seconds
- Protection Grade: IP66
- Operation Temp: -40 To +60
- Software Interface: GIS Integrated (Map-based Tracking)
- Overall Power Consumption: ≤ 100 W
- Dimensions: 400 Mm * 531 Mm (diameter * Height)
- Highlight: Infrastructure Security Fixed Drone Detection System



More Images



Our Product

Product Description

Product descriptions from the supplier

10km Ultra-Long Range: Provides 360° situational awareness with a detection radius over 10km.

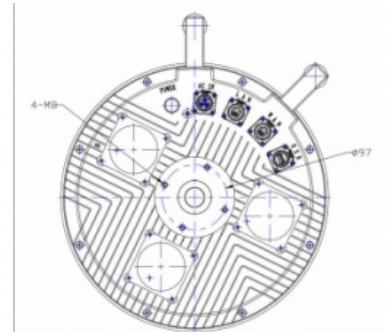
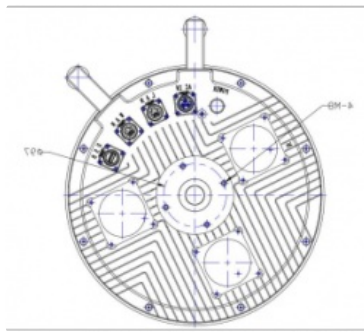
Pilot Positioning: Tracks the real-time location and flight path of both drones and pilots via DID/RID protocols.

FPV Video Interception: Unique capability to view "first-person" video from FPV drones for direct visual evidence.

70MHz-8GHz Full Band: Detects DJI, Autel, DIY, and high-speed racing drones across all mainstream frequencies.

IP66 & Industrial Build: Operates reliably from -40°C to +60°C, perfect for 24/7 all-weather protection.





Full-Band Detection Coverage: 70 MHz–8 GHz full spectrum scanning

Long Detection Range: Line-of-sight up to 3–10 km





About this supplier

The company is affiliated with the Institute of Internet of Things (IoT) under the Chinese Academy of Sciences, specializing in low-altitude security research with strong technological expertise. The group company currently has an R&D team of over 100 members and more than 120 test engineers. Among them, there is 1 academican of the Chinese Academy of Sciences, 17 Ph.D. holders, and 48 master's degree holders. The company is at the forefront of the industry in low-altitude radar, spectrum-based radio detection equipment, photoelectric camera tracking devices, and integrated defense systems.

We specialize in radio spectrum detection and low-altitude security, with radio frequency scanning feature identification and decoding as our core technology, and have made critical breakthroughs via intelligent unsupervised learning and UHDF (Ultra-High Dimensional Signal Feature Extraction) Technology to resolve industry dilemmas in drone signal recognition, positioning and jamming within complex electromagnetic environments. Boasting industry-leading core indicators: full 70MHz-6GHz frequency coverage, detection sensitivity up to -110dBm, over 95% target recognition accuracy in complex settings, signal response time ≤ 3 seconds, and clutter suppression rate above 90%, our system can track and control multiple intruding drones simultaneously, accurately identify all drone types including quadcopters, fixed-wing, DIY modified and FPV racing drones, and fully guarantee the sensitivity and accuracy of low-altitude spectrum detection.

Our key partners currently span across European nations such as the United Kingdom and Spain, as well as the Middle East and South America. Our engineers, working on the ground, have accumulated extensive hands-on experience with local conditions, enabling us to provide our customers with uniquely tailored, cutting-edge technical support.

Company overview

CAS INSTITUTE OF IoT (INTERNET OF THINGS) AFFILIATED ENTERPRISE

★ FOCUS: LOW-ALTITUDE SECURITY RESEARCH

OUR TEAM

- R&D Team:
 >100 Members
- Test Engineers:
 >120
- CAS Academician
 1
- PhD Holders:
 17
- Master's Degree
 Holders: 48

CORE TECHNOLOGIES

- RADAR SYSTEMS —
 - MIMO Microstrip Antenna Array (Drone Detection)
 - Waveguide Slot Antennas + DBF (Digital Beamforming)
 - Clutter Filter Algorithms (filters weather/birds/low-altitude clutter)
- SPECTRUM TECHNOLOGY —
 - 70MHz - 8000MHz Broadband SDR (Tx/Rx)
 - Self-Developed: Ultra-wideband Signal Sources + Power Amplifiers
- INTEGRATED SOLUTIONS —
 - Omnidirectional + Directional Antenna Integration
 - AI Photoelectric Camera Recognition & Tracking
 - Custom Scenario-Tailored Solutions

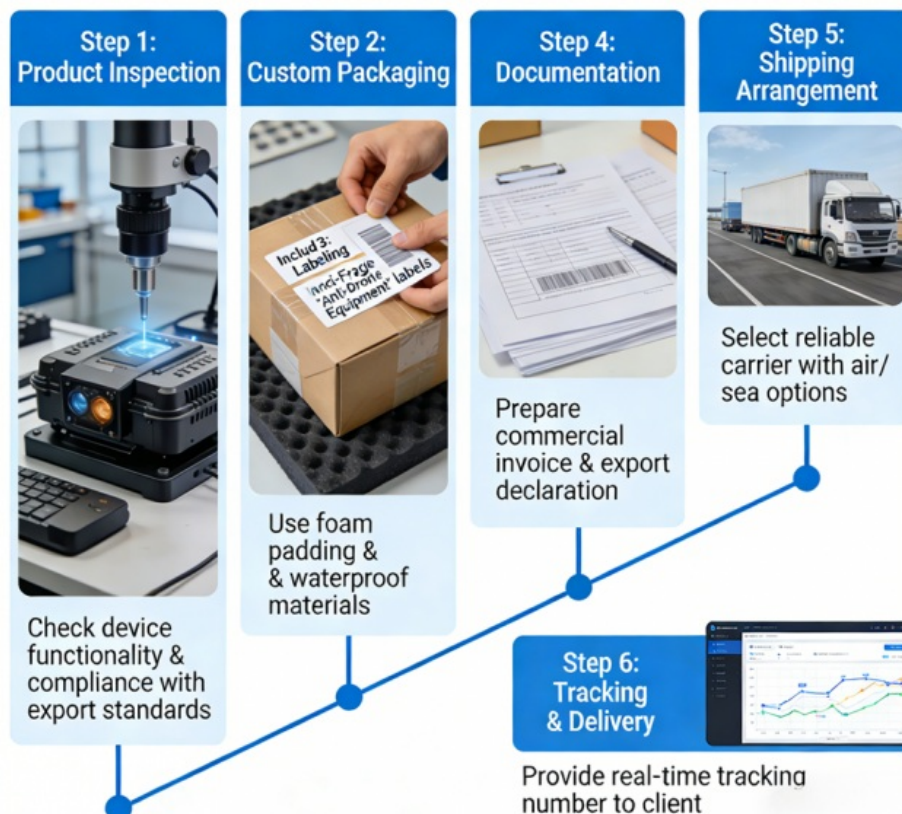
GLOBAL PARTNERS

- Europe: UK, Spain
- Middle East
- South America

FIELD ENGINEERS:
Localized On-Site
Technical Support
(Tailored Customer
Solutions)

Packaging & shipping specifications

Packaging & shipping specifications





Production workflow

Core Competencies Overview

R&D & Design

Customizable core parameters (frequency, detection range, countermeasure mode); professional RF, algorithm & structural teams ensure stability in complex environments

Quality Control

IQC for incoming materials, IPQC for key processes; FQC includes full-function, environmental & EMC tests

Precision Manufacturing

SMT for RF modules, CNC antenna with VSWR test; military-grade parts meet IP65; automated lines produce 50+ units/day

Packaging & Logistics

Custom shockproof packaging, multiple logistics options with full tracking





Customization capabilities

Customization Services

- **OEM/ODM Service:**

Full-process hosting; customers only need to provide requirements and relevant standards to get qualifier

- **Sample Customization:**

3-7 days fast delivery; sample fee can be deducted from bulk orders (negotiable).

- **Bulk Customization:**

Flexible MOQ, 15-30 days delivery for bulk orders.

- **Packaging Customization:**

Multiple schemes available, suitable for overseas transportation and sales needs.

“COUNTER-UAV DOMAIN TECHNOLOGIES”

LOW-ALITITUE ANTI-DrONE RADAR

- S-band – 3 km Dietection Range
- X-band – 5 km Distection Range
- Ku-band – 10 km Dietection Range
- Faise Alams Rate: <5% (arail tatet ldtailiation)

RF EQUIPMENT

Orperting Frequency Rrange: 70
MHz – 8000 MHz

INTEGRATED UNLIFED SYSTEM

Comfrimed Radr + RF Devices + Electro-Oysiral Camera +
Spotøriga Eypūiment

GLOBAL CLIENT REGIENS & EXPERISE

Eursape | Africa | Miidle East
Suisthest Jūria | North America | South America
Regional Evironment Caliiration + Custionized Devlmenter

MYT TEC

We are committed to becoming a leading global intelligent security expert at home and abroad and an innovator in the field of counter-drones. MYTTEC is established by the R&D center of Internet of Chinese Academy of Sciences, Wisosoft Co.,Ltd, and the founding team. As the leading intelligent security expert,MYTTEC has served hundreds of customers at home and abroad. We have branches and offices in Beijing,Shenzhen,Jiangxi,Jilin,Jiangsu,Guangdong,Fujian,etc.

100⁺
Served domestic and foreign customers

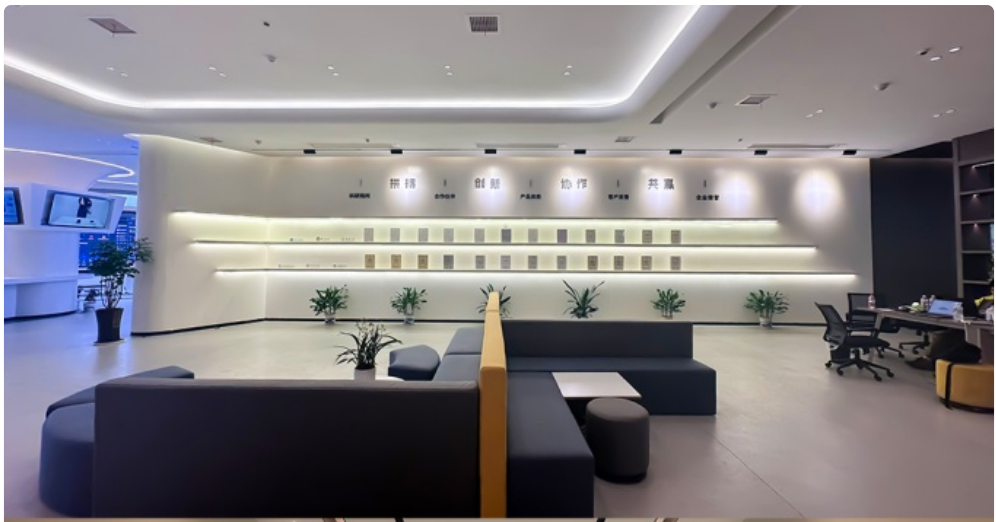
Relying on the strong scientific research capabilities of the Chinese Academy of Sciences and the industry experience of Wisosoft Co.,Ltd, MYTTEC focuses on innovation and R&D of three-dimensional security. We have over 80 patents and software copyrights. 8 products have passed the Ministry of Public Security certification.

80⁺
Patents and software copyrights

Core Technologies

To meet the specific needs of unattended ground sensing and unattended low-altitude defense in scenarios of complex geographical environment, harsh climate, and wild environment of weak network and electricity infrastructure, MYTTEC develops core technologies of Unsupervised-learning-based high dimensional features extraction, multi-source sensing, low power consumption, weak signal









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