

Trunking Signal Monitoring High Accuracy Signal Detection And Identification

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: MYT
- Certification: CNAS、CMA、CAL、ILAC-MRA
- Model Number: DT-07
- 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

- Operating Frequency Range: 30 MHz To 6 GHz
- Signal Type: Trunked Radio Signals, Wireless Communication Signals
- Signal Detection: Cluster Signals Identification, Signal Carrier Detection
- Channel Monitoring: Up To 64 Or More Distinct Channels Simultaneously
- Operation Mode: Fully Intelligent And Automated Operation
- Power Supply: AC 220V / DC 12V Options
- Highlight: **handheld drone detector high accuracy , trunking signal monitoring drone detector, signal detection and identification drone detector**

DT-07 Trunking Signal Monitoring

1, Product Overview

Trunking Signal Monitoring is an advanced wireless signal monitoring system designed for high-precision detection and identification of trunked communication signals. This sophisticated solution provides comprehensive monitoring capabilities for wireless signals within the frequency range of 30 MHz to 6 GHz, making it an essential tool for security agencies, law enforcement, and communication monitoring professionals. The system utilizes cutting-edge technology to monitor, analyze, and demodulate various wireless signals, including trunked radio communications, ensuring reliable and accurate signal detection in complex electromagnetic environments. With its robust processing capability and multi-channel monitoring features, Trunking Signal Monitoring offers unparalleled performance in identifying cluster signals, detecting signal carriers, parsing transmission protocols, and identifying modulation methods for effective demodulation. Whether used for communication intelligence gathering, spectrum management, or security monitoring, this system provides the necessary tools to maintain situational awareness and ensure effective communication monitoring.

2, Specification

Parameter	Specification
Product Name	Trunking Signal Monitoring System
Technology Type	Wireless Signal Monitoring and Analysis
Core Function	High-precision signal detection and identification
Operating Frequency Range	30 MHz to 6 GHz
Signal Type	Trunked radio signals, wireless communication signals
Signal Detection	Cluster signals identification, signal carrier detection
Protocol Analysis	Transmission protocol parsing and analysis
Modulation Identification	Various modulation methods identification
Demodulation	Real-time signal demodulation capability
Channel Monitoring	Up to 64 or more distinct channels simultaneously
Processing Power	High-performance signal processing engine
Operation Mode	Fully intelligent and automated operation
Multi-channel Monitoring	Concurrent multi-channel signal guarding and demodulation
Carrier Detection	Carrier energy detection and analysis

Signal Analysis	Real-time signal analysis and visualization
Hardware Design	Compact, ruggedized industrial design
Software Interface	User-friendly interface with real-time visualization
Data Storage	Comprehensive signal data recording and storage
Form Factor	Desktop or rack-mountable design
Dimensions	Compact footprint for space-constrained environments
Weight	Lightweight for easy deployment
Power Supply	AC 220V / DC 12V options
Power Consumption	Energy-efficient operation
Operating Temperature	-10°C to +55°C
Storage Temperature	-40°C to +70°C
Humidity	5% - 95% non-condensing

3, Features

Trunking Signal Monitoring system represents a cutting-edge solution for wireless signal monitoring and analysis, delivering high-precision detection and identification capabilities for trunked communication signals. The system covers an extensive frequency range from 30 MHz to 6 GHz, enabling comprehensive monitoring of various wireless communication signals in this broad spectrum. With its advanced signal processing algorithms, the system can accurately identify cluster signals, detect signal carriers, parse complex transmission protocols, and identify different modulation methods for effective demodulation. This multi-functional capability makes it an indispensable tool for professionals requiring detailed insight into wireless communication activities.

The system's robust processing capacity allows for simultaneous monitoring of up to 64 or more distinct channels, providing comprehensive coverage of multiple communication networks. This high channel density ensures that no critical signals go undetected, even in complex electromagnetic environments with numerous concurrent transmissions. The fully intelligent and automated operation mode minimizes manual intervention, allowing the system to operate continuously with minimal oversight while maintaining high accuracy and reliability.

Trunking Signal Monitoring system incorporates advanced multi-channel signal guarding and demodulation technology, enabling real-time monitoring and analysis of multiple communication channels simultaneously. The carrier energy detection feature provides precise identification of signal sources, while the real-time signal analysis and visualization capabilities offer immediate insight into communication patterns and trends. The user-friendly interface presents complex signal data in an intuitive format, facilitating quick decision-making and analysis.

Designed with a compact and ruggedized industrial design, the system is suitable for deployment in various environments, from control rooms to field operations. Its lightweight construction and flexible mounting options ensure easy integration into existing infrastructure. The system's wide operating temperature range and robust environmental performance guarantee reliable operation even in challenging conditions.

With its comprehensive signal data recording and storage capabilities, Trunking Signal Monitoring system provides a valuable resource for post-event analysis and intelligence gathering. The system's energy-efficient operation ensures long-term reliability with minimal power consumption, making it suitable for extended monitoring missions and remote deployments.



4, Application Scenarios



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.

A graphic of a clipboard with a silver clip at the top. The clipboard has a white sheet of paper with the following text:

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

Below the text, there are logos for shipping companies: FedEx, TNT, UPS, and DHL. To the right, there is an illustration of a hand holding a smartphone with various payment logos (VISA, AMEX, T/T, DISCOVER, WU, Apple Pay, G Pay, and others) floating around it. Below the shipping logos, there is an illustration of a cargo ship, a truck, and a van.



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