

Professional Trunking Signal Monitoring Utilizes High Accuracy Signal Detection And Identification For Comprehensive Trunked Radio Monitoring

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: **professional trunking signal monitor, high accuracy drone detector, trunked radio monitoring device**

Product Description

DT-07 Trunking Signal Monitoring

1, Product Overview

Trunking Signal Monitoring represents a state - of - the - art wireless signal monitoring system. It has been meticulously designed to achieve high - precision detection and identification of trunked communication signals. This highly advanced solution offers a comprehensive set of monitoring capabilities. It is capable of monitoring wireless signals across a wide frequency range, spanning from 30 MHz to 6 GHz. As a result, it has become an indispensable and essential instrument for various organizations and professionals. These include security agencies that rely on it for safeguarding national security, law enforcement entities that utilize it to detect illegal communications during investigations, and communication monitoring specialists who are tasked with analyzing and understanding complex wireless communication scenarios.

The system makes use of the latest and most advanced technology. It is engineered to monitor, analyze, and demodulate a broad spectrum of wireless signals, with a particular focus on trunked radio communications. This technological proficiency enables it to ensure reliable and accurate signal detection, even in the most complex electromagnetic environments. Such environments may be saturated with numerous interfering signals; nevertheless, Trunking Signal Monitoring can filter out the noise to precisely identify the signals of interest.

This system is equipped with robust processing capabilities and multi - channel monitoring features. These features endow it with exceptional performance in several crucial aspects. In the realm of identifying cluster signals, it can quickly and accurately distinguish groups of related signals. Concerning the detection of signal carriers, it has the sensitivity to detect even the weakest of signals. The system also demonstrates expertise in parsing transmission protocols, which is crucial for understanding data transmission mechanisms. Additionally, it can identify modulation methods to enable effective demodulation. This comprehensive functionality facilitates in - depth analysis of wireless communications.

Whether it is utilized for communication intelligence collection, which helps in gathering information regarding potential threats or intelligence - related activities, spectrum management to ensure the efficient use of the radio frequency spectrum, or security monitoring to prevent unauthorized communication activities, Trunking Signal Monitoring provides the necessary and vital tools. These tools are essential for maintaining a high level of situational awareness and ensuring effective communication monitoring in an ever - changing wireless communication landscape.

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

The Trunking Signal Monitoring system serves as a state-of-the-art wireless signal monitoring and analysis solution. It provides high-precision detection and identification of trunked communication signals, with a frequency coverage ranging from 30 MHz to 6 GHz. Leveraging advanced algorithms, it can accurately identify cluster signals, detect carriers, parse protocols, and perform demodulation.

This system has the capacity to simultaneously monitor up to 64+ channels, ensuring that no critical signals are overlooked. Its intelligent and automated mode substantially reduces the need for manual intervention.

Characterized by multi-channel guarding and demodulation capabilities, it enables real-time monitoring and analysis of multiple channels. Carrier energy detection is utilized to accurately locate signal sources, while real-time analysis and visualization enhance the comprehension of signals. The user-friendly interface streamlines data management.

Boasting a compact and robust design, it is adaptable to diverse environments. It has a wide operating temperature range and exhibits robust performance. Additionally, it records and stores signal data for post-event analysis. Being energy-efficient, it is highly appropriate for long-term and remote monitoring applications.



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.

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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