



PHC10 Wireless Signal Detector | Hidden Camera & GPS Bug Finder



Product Introduction

The TFN PHC10 is a professional-grade, portable wireless signal detector engineered to identify, locate, and analyze hidden surveillance devices, illegal tracking equipment, and unauthorized wireless communications. Capable of scanning the full spectrum from 1MHz to 6GHz, it comprehensively covers all 2G, 3G, 4G, and 5G cellular networks, Wi-Fi bands, GPS signals, and other common wireless protocols. Its high sensitivity, real-time spectrum analysis display, and superior accuracy make it an indispensable tool for detecting covert eavesdropping devices, hidden spy cameras, and illicit signal transmissions. Designed for portability and durability, the PHC10 is the trusted choice for counter-surveillance operations in sensitive environments such as government facilities, military zones, corporate offices, financial institutions, hotels, and private residences, ensuring complete privacy and security.

Product Key Selling Points

Full-Spectrum Wireless Detection

The PHC10 performs comprehensive signal sweeps from 1MHz to 6GHz, detecting all major wireless threats. It identifies signals from 2G, 3G, 4G, and 5G devices, hidden Wi-Fi cameras (2.4GHz & 5.8GHz), Bluetooth bugs, GPS trackers, and FM transmitters. This all-in-one capability ensures no covert device goes unnoticed during a security sweep.

High Sensitivity & Pinpoint Accuracy

Equipped with an advanced receiver offering a wide dynamic range up to -90dBm, the PHC10 can detect even the weakest standby or transmitting signals. This high sensitivity, combined with directional analysis, allows for precise localization of hidden threats, enabling you to find the exact source of a suspicious transmission.

Real-Time Spectrum Analyzer

The integrated 5-inch color display acts as a real-time spectrum analyzer, visually presenting signal strength across frequencies. This allows operators to distinguish between normal background signals and anomalous, potentially threatening transmissions instantly, making signal identification intuitive and accurate.



Portable, Rugged & User-Friendly

Weighing less than 350g and housed in a custom aluminum shell, the device is built for field use. Its compact size and intuitive interface make it easy to operate, while a 2-hour battery life supports extended security inspections. It's the perfect tool for on-the-go professionals.

Data Logging & Report Generation

All detection events can be automatically recorded with timestamps and signal details. Data is easily exported via the SD card slot for further analysis on a computer, facilitating the creation of detailed inspection reports for audits, evidence collection, or compliance records.

Product Specifications

1. Detection Frequency Range: 1MHz - 6GHz
2. Supported Networks/Protocols: 2G (GSM/GPRS/EDGE), 3G, 4G (LTE), 5G, Wi-Fi (2.4GHz & 5.8GHz), GPS, Bluetooth
3. Target Devices: Hidden cameras, eavesdropping devices, GPS trackers, unauthorized mobile phones, spy phones, signal repeaters
4. Resolution Bandwidth: 800kHz
5. Dynamic Range: Mobile Signals: -90dBm to -20dBm; Spectrum: -70dBm to -20dBm
6. Sensitivity: Maximum -90dBm
7. Sampling Rate: 37 GHz/s
8. Display: 5-inch TFT Color Graphic Display
9. Battery Life: ~2 hours (fully charged)
10. Data Logging: Supports event logging, exportable via SD card
11. Housing: Durable Custom Aluminum Alloy
12. Dimensions: 146 x 78 x 23 mm
13. Weight: < 350g

Product Features

Feature 1: Comprehensive Signal Sweeping & Identification

The core function of the PHC10 is to perform a complete non-invasive scan of any environment. It actively searches for and identifies a vast array of radio frequency (RF) emissions. This includes signals from hidden cellular-based cameras, audio bugs that transmit via Wi-Fi or FM, and data packets from GPS trackers. By covering virtually all communication protocols, it eliminates blind spots in your security check, providing peace of mind that the area is clear of electronic surveillance.

Feature 2: Real-Time Visual Analysis & Threat Assessment

The built-in spectrum analyzer transforms complex RF data into an easy-to-understand visual graph on the color display. Operators can see real-time signal spikes across the frequency band. This visual feedback is crucial for differentiating between common, harmless signals (like a nearby router) and suspicious, intermittent transmissions that are characteristic of hidden devices. It empowers the user to make informed decisions during an inspection.



Feature 3: Precision Direction Finding & Location Tracking

Beyond mere detection, the PHC10 aids in physically locating the hidden device. By analyzing signal strength (RSSI) and utilizing the device's directional sensitivity, users can perform a "hot/cold" search. As you move closer to the source, the signal strength increases, allowing you to zero in on the exact location — whether it's concealed within a wall, furniture, vehicle, or everyday object.

Feature 4: Forensic Logging & Evidence Documentation

For professional security details, corporate investigations, or compliance audits, documentation is key. The logging function meticulously records each detected event, including frequency, signal strength, and timestamp. This log file can be extracted and presented as objective evidence of a sweep's findings or used to analyze signal patterns over time, which is invaluable for ongoing security monitoring.

Feature 5: Portable Counter-Surveillance for Proactive Security

The design philosophy centers on proactive, mobile defense. Its lightweight, handheld form factor allows for rapid, unannounced sweeps of conference rooms, hotel accommodations, vehicles, or private studies before important meetings or events. This function shifts security from a reactive to a proactive stance, preventing information leaks before they occur.

Application & Pain Points Solved

- **Government & Military Sensitive Facilities**

Pain Point: Risk of classified information leakage via clandestine listening devices planted in meeting rooms or offices.

Solution: The PHC10 provides reliable, rapid sweeps to ensure environments are secure for sensitive discussions, protecting state and operational secrets.

- **Corporate Boardrooms & Financial Institutions:**

Pain Point: Threat of corporate espionage where competitors may plant bugs to steal intellectual property, merger plans, or financial data.

Solution: Regular sweeps with the PHC10 safeguard board meetings and secure areas, ensuring business strategies and client information remain confidential.

- **Hotel Rooms & Short-Term Rentals:**

Pain Point: Travelers' privacy being violated by illegally installed hidden cameras or audio recorders.

Solution: Guests or security teams can quickly scan the room upon check-in to detect any wireless surveillance devices, ensuring personal privacy and safety.

- **Private Residences & VIP Dwellings:**

Pain Point: Concerns about stalkers, intrusive surveillance, or blackmail attempts using hidden tracking or recording devices.

Solution: The device empowers individuals to regularly inspect their personal living spaces, cars,



and belongings for unauthorized tracking or eavesdropping equipment.

- **Executive Vehicles & Corporate Transport**

Pain Point: Vehicles being targeted with magnetic GPS trackers for surveillance or with hidden audio bugs to record private conversations.

Solution: A quick sweep of the vehicle's interior, exterior, and undercarriage with the PHC10 can reveal such devices, ensuring secure and private transportation.

Q&A

Q1: What types of hidden devices can the PHC10 detect?

A1: The PHC10 can detect a wide range of wireless threats, including GSM/3G/4G/5G spy cameras, Wi-Fi and Bluetooth enabled eavesdropping devices, GPS tracking units, unauthorized mobile phones, and FM transmitters.

Q2: Is technical expertise required to operate this detector?

A2: While offering advanced features for professionals, the PHC10 is designed with an intuitive interface. The real-time visual display and clear signal indicators make it possible for non-experts to perform effective basic sweeps after reviewing the manual.

Q3: How do I locate a device once a signal is detected?

A3: Use the signal strength indicator on the screen. Move the device slowly around the room. The signal bar will increase as you get closer to the source and decrease as you move away, guiding you to the exact hiding spot.

Q4: Can I save and review the scan results?

A4: Yes. The PHC10 supports data logging. You can save a record of all detected signals to the included SD card and transfer it to a computer for detailed review, analysis, and reporting.

Q5: What is the typical battery life, and how is it charged?

A5: The device offers approximately 2 hours of continuous operation on a full charge. It is conveniently recharged via the provided USB cable, compatible with standard power adapters or power banks.

Package Contents

- 1 x PHC10 Wireless Signal Detector Main Unit
- 1 x Rechargeable Battery
- 1 x USB Charging Cable
- 1 x SD Card (for data storage)
- 1 x User Manual (English)
- 1 x Protective Carry Case