

Electromagnetic Spectrum Detector

Complete integrated spectrum analyzer with built-in antennas and analysis software

- Small size, light weight, easy to carry.
- Fast scanning speed: up to 100GHz / s scan speed, quickly capture suspicious burst signals.
- Same-frequency signal identification: the fluorescence spectrum can separate the same-frequency signal with hidden leakage danger.
- WIFI / Bluetooth detection: WIFI / Bluetooth terminal MAC address detection, identify theft illegal access
- Automatic matching signal database during the scanning process, time domain, frequency domain, time-frequency joint domain and modulation domain multidimensional intelligent analysis.
- Information reduction: demodulation reduction of audio and image signals.
- Signal directional search: pair the signal directional search through the directional antenna.

The integrated spectrum analyzer is a wireless signal detection, analysis and evaluation equipment. It can quickly scan and analyze wireless signals in the wide frequency range of 100kHz to 18GHz with speed of up to 100 GHz/s, to find abnormal, illegal or interference signals, and to locate the source, then automatically generate reports.

The device is used for wireless signal security inspection, radio source location search, antieavesdropping, signal monitoring and inspection, frequency usage analysis, electromagnetic interference detection and other scenarios. Its applications include site Surveys for cell towers, microwave links, RF emissions analysis, evaluating communication channel utilization, investigating misuse of the RF spectrum, etc.

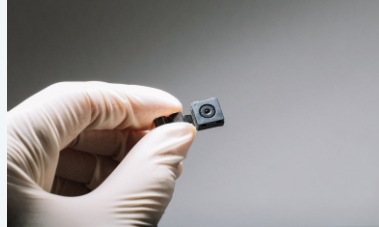


Security surveys for unauthorized or illicit transmissions



Eavesdropping detection is an important aspect of VIP protection. Governmental officers, military, royalty, politicians, and other figures rely on VIP security services to protect them from individuals wishing to stalk, spy, harass, or threatening.

Information Security & Confidentiality



With the world competing for information and intelligence, high level security requires eavesdropping detection for the protection of military, government or trade secrets, especially for new developments, strategies, sensitive information, financial information, legal counsel, etc.

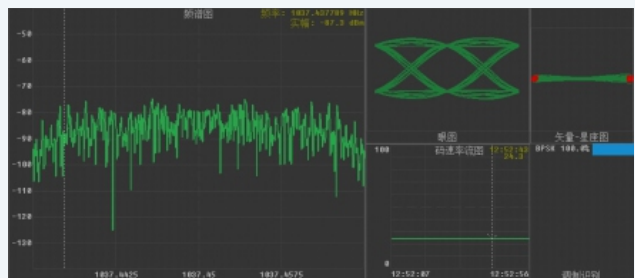
Wireless service providers and installers



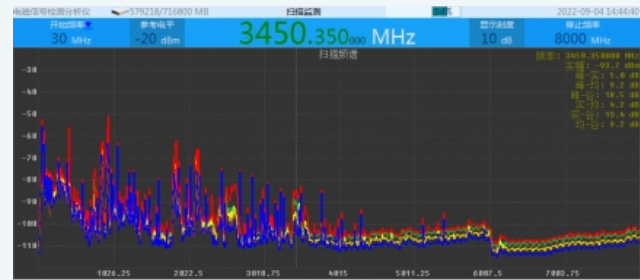
Managing the RF spectrum is critical to wireless service providers, especially to ensure the functioning of hospitals, airports, laboratories, businesses, construction sites, mining operations, shipping ports, and large cities. We provides the tools for detecting sophisticated RF signals in the toughest environments.

Other Features

Signal Identification and Image/Video Demodulation, to intercept and output the stream. It includes radio and TV signals, wireless communication (WiFi/Bluetooth), and signals of wireless transmission equipment, etc. , and signal modulation methods, including at least AM, FM, CW, ASK, mFSK (2FSK, GMSK), mPSK (BPSK, QPSK), QAM, DSSS, MCM and others modulation methods, signal demodulation and information restoration functions, audio and video signals modulated by AM and FM .



Simultaneous display 4 traces, support calibration and view of the signal spectrum trace, and display the calibration position frequency and amplitude information .



Technical Data

Detection frequency range	: 9kHz ~ 18 Ghz.
Sweep rate	: 150 GHz /s@25kHz
Minimum resolution bandwidth	: 100Hz
Maximum instantaneous bandwidth	: 80 MHz
Audio demodulation	: AM, FM, USB , LSB
Image demodulation	: NTSC, PAL, SECAM
Pattern recognition	: AM, FM, 2ASK, BPSK, QPSK, 16QAM, 2FSK, 4FSK, MSK, etc
Receiver sensitivity value	: -80dBm@1kHz (1 MHz~30 MHz) -80dBm@1kHz (30MHz ~300MHz) -100dBm@1kHz (300MHz ~9GHz)
Hardware interface	: 1 network, 2*USB2.0, 2*SMA external antennas
Battery power time	: up to 3 hours
Chassis size	: 380mm×270mm×90mm
Weight	: 5.5kg (host + battery)
Large database	: 1000 signature signals, upgrade supported
Working temperature	: -10°C ~
Remote Capability	: Ethernet Port
User Interface	: Integrated Touch Screen with 10.1" display Soft keys and rotary optional encoder USB Port (Type A): for peripherals

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