

CE-NB200

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



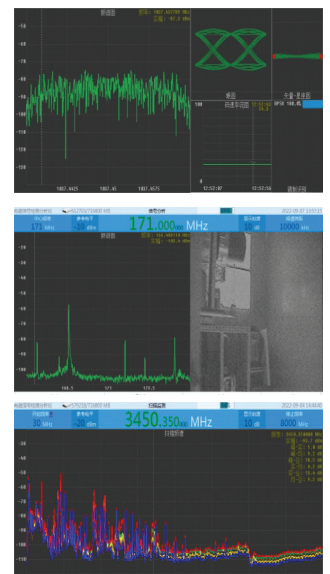
» The Leading Spectrum Analyser in the Industry

CE-NB200 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 9kHz 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, anti eavesdropping, 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.

» Key features

- Portable, compact, light
- Same-frequency identification: Fluorescence spectrum can separate the same-frequency signals with potential leaks. It has the function of drawing digital afterglow, eye map, constellation map and code stream map, which can further analyze signal attributes. IQ collection function can support subsequent information restoration
- WIFI / Bluetooth detection: illegal access MAC address detection
- Intelligent signal identification: auto database match, multi-dimensional analysis in the time domain, frequency domain, time-frequency joint domain, and modulation domain
- Information restoration: HDMI and VGA cable leakage recovery capability
- Real-time acquisition of data, up to 4 traces to collect simultaneously.
- Spectrum trace recording & playback
- Collection and storage of time-domain signal data



Other features

Specification

Detection frequency range	9kHz~ 18 GHz(~26.5GHz optional)
Scanning speed	100 GHz/s@25kHz
Minimum resolution bandwidth	100Hz
Maximum instantaneous bandwidth	80 MHz
Display of average noise level	-110dBm (RBW= 25kHz)
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 GB network,2*USB2.0 , 2*SMA external antennas
Battery power time	about 3 hours
Chassis size	380mm×270mm×90mm
Weight	about 5.5kg (host + battery)
Large database	1000 signature signals, upgrade supported
Mode	Power trigger mode and time trigger mode
Working temperature	-10 °C~ 45°C

Application



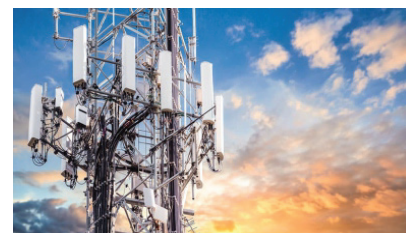
VIP protection for unauthorized or illicit transmissions

The equipment can restore eavesdropping/stealing signals, and has the automatic analysis and ranging ability of common eavesdropping equipment, which can automatically identify the surrounding eavesdropping signals and estimate their distance.



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 provide the tools for detecting sophisticated RF signals in the toughest environments.