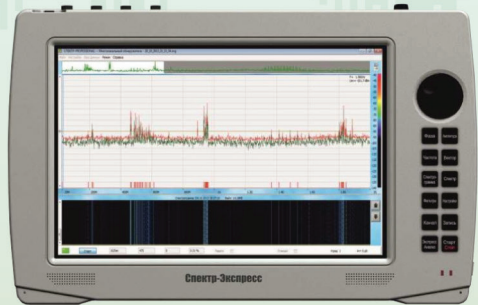


Spectr-Express

Portable complex for eavesdropping devices search

The complex is designed to detect radiation of radio microphones, radio stethoscopes, hidden wireless cameras, as well as to detect signals from eavesdropping devices in 220V mains, low-voltage lines (fire and burglar alarm systems, telephone lines) and in infra-red (IR) range.



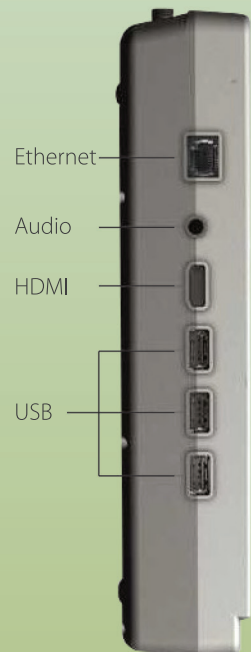
About complex

Spectr-Express is made as a monoblock, featuring built-in control PC, high-speed radio receiver, analog-to-digital converter, electronic antenna switch with four inputs, wire line converter, video capture system and Li-ion battery. Complex is equipped with built-in 12.1" diagonal touch display.

Device uses up to four spaced antennas for searching, parameter estimation, identification and localization of emitters in the frequency range 10-3000 MHz or 25-6000 MHz.

Main competitive advantages

- Spectr-Express detects eavesdropping devices, including those using: digital modulation types, noise-like structure, mode of pseudo-random or specified adjustment of operating frequency, ultra short pulses, etc.
- For detection "dangerous" signals the software has unique diversity reception algorithm, with three varieties.
- High performance allows the complex to detect signals from radio (wireless) microphones operating in mode of information accumulation and short-term transferring it to broadcast.
- Detection and differentiation of signals are performed by parallel digital spectrum analyzer with resolution of 2 kHz.
- Its high resolution enables detecting and distinguishing narrowband signals from microphones, operating close to legal radio equipment.
- There is ability to remote control the device via local network and Internet.
- The complex displays detected image from hidden wireless cameras.
- Detected signal can be saved in PC's memory for later analysis.



Compact dimensions, low weight, convenience and efficiency of switching the equipment allow the portable complex Spectr-Express to use as one of the main tools during search operations.

Tactical and technical characteristics:

Frequency band, MHz:	10-3000, 25-6000
Wire lines converter frequency band, MHz:	0.0006-10
IR sensor spectral range, nm:	320-1100
Panoramic view speed (resolution 2 kHz) up to, MHz/s	1150
Swath, MHz:	0.1-50
Resolution (analysis mode), kHz:	0.2
Resolution (detection mode), kHz:	2
Antenna input sensitivity at least, uV:	2
Digital demodulators:	NFM, WFM, vector
Processor type:	Intel Core i5
Operation system:	Windows 7
Memory, Gb:	64/128
Screen size, in:	12.1
Screen type:	Touch
External connectors:	USB 2.0*3, HDMI, LAN
AC power, V:	220
On-board car power, V:	12
Rechargeable battery (Li-ion), V:	12
Battery life in operation mode at least, h:	2
Dimensions, mm:	385x250x55
Weight, kg:	3.8

Delivery set includes:

- Monoblock
- Bag for accessories
- Unloading vest
- Power supply unit
- Manipulator (mouse)
- Flash drive with software
- Broadband receiving antenna AP-6000 (2 pcs.)
- Headphones
- Car cigarette adapter +12V
- High-frequency coaxial cable (2 pcs.)
- IR sensor
- Wire lines convertor probes (2 pcs.)
- Operation manual
- Passport