Countersurveillance Sweeping System
DELTA X G2/12

Data Leakage Channels Detection

Delta X G2/12 is designed in a new portable format, which significantly eases the search process. System operates with a laptop, or tablet, with the help of magnetic holders. They hold the laptop/tablet reliably in all situations giving the operator the ability to move and tilt the system during sweeping. Using update rate of 3 GHz-4 GHz per second and frequency range 9 kHz – 12 GHz system can instantly detect digital signals with short bursts. System also has ability to detect and locate the transmitter simultaneously.

Features:

- Detects all kinds of RF listening devices, including analog, digital, constantly existing and intermittent, sending audio or video, with or without encryption;
- Finds devices using the digital standards GSM, 3G, 4G/LTE, 5G (<6 GHz) BT, Wi-Fi, DECT, etc.;
- Detects transmission in AC, telephone, Ethernet, alarm and other wires as well as in the Infrared range;
- Can work in instant detection mode, guarding mode, locating mode and car tracker detection;
- Real-time spectrum analysis gives the ability to detect short-burst signals such as Wi-Fi, BT or mobile devices;
- Automatic antenna selection provides high sensitivity and detection distance on all frequency bands;
- Can monitor the RF environment 24 hours a day with data logging;
- Supports storage of an unlimited quantity of signals;
- Demodulation of audio in FM, AM, USB, LSB, CW (adjustable BW 3...240 kHz);
- Alarm relay output can activate external devices upon detection of dangerous signal (CCTV system as example)

Specifications

Frequency range	9 kHz - 12 GHz
Update rate	3-4 GHz/sec
Reaction time (How quickly a dangerous signal is detected)	3 — 4 sec
Format	Handheld unit
Antenna inputs	INPUT, AUX1, AUX2
Probe input	PROBE
Occupied disk space per 24 hours	<24 Gb
Unit dimensions (without antennas)	33.5 x 26 x 6 cm
Unit weight (without laptop/tablet)	3.6 Kg
Spectrum resolution	9.8 kHz
Temperature Range	0 ... +55°C
Demands on laptop/tablet (not included in the supplied set)	i3 / AMD Ryzen 3 or higher (i5 / AMD Ryzen 5 recommended) 1 x USB 3.0/3.1/3.2 (or USB Type C) 1 x USB 2.0 (or USB Type C) RAM 8 Gb or more SSD 128 Gb or more Windows 7, 8, 10 or newer Screen 12-14"
Displayed dynamic range	-90 ... -10 dBm
Displayed spectrum spans	0,5, 1, 2, 5, 10, 25, 50, 100, 200, 500, 1000, 2000, 3000, 6000 MHz
Spectrum graphs	Spectrogram, Waterfall
Spectrogram's displayed data	Persistence, Live, Max, Threshold
Detector's modes	Wide-Range, Signal, Selection
Updated spectrum span	RF Sweep, Guard 24/7: broadband Signal Analyzer: displayed, selected, real-time Car Tracker Detector: mobile bands
Fields of 'Signals' table	Frequency, Bandwidth, Name, dBm Level, dBm Peak Level, Danger Level, Peak Danger Level
Fields of 'Bands' table	Begin, End, Name, Type, Threshold, Priority, Tracker detection
Fields of 'Known Signals' table	Frequency, BW, Name, Modulation