EO SPECTRE

About EO SPECTRE

EO Spectre is a Signal Intelligence (SIGINT) and Technical Surveillance Counter Measures (TSCM) solution created to safeguard your organization from cyber threats such as eavesdropping devices, or any other unwanted and unexpected devices within the premises. With EO Spectre you get a unique insight into Bluetooth and Wi-Fi traffic around you and an ability to gather intelligence from all captured devices. Additionally, EO Spectre offers spectral analysis capabilities with multiple display options to help you navigate the radio spectrum and discover potentially unwanted signals.

EO Spectre monitors the Bluetooth and Wi-Fi 2.4 GHz range in real-time with approx. 100 MHz instantaneous bandwidth, effectively covering the whole spectrum range without any sacrifices that come with sweeping technologies. Moreover, apart from a basic spectral analysis of the given spectrum range, the EO Spectre can understand the traffic to identify individual transmissions, their source and characteristics being useful for both surveillance and counter-surveillance operations.

Our solution's capabilities are not limited to the aforementioned, as it also contains a conventional spectrum analyzer with a range of up to 6 GHz to monitor and analyze any signal out of the Bluetooth or Wi-Fi frequency range.

EO SPECTRE

Features

- Fully offline for operation security
- Fully passive
- 24/7 static or mobile form factor
- 12" Windows 11 tablet form factor with both Wi-Fi and ethernet access as well as HDMI for external monitor support
- Modern desktop application
- Standalone web server with a web application for cumulating findings from multiple devices. Perfect for gathering and analyzing intelligence from complex operations
- Designed for practicality, ensuring both durability and a lightweight form to guarantee effectiveness in challenging conditions
- Wi-Fi (2.4 GHz) support
- Wi-Fi WPA2 handshake captures & cracking
- Wi-Fi PCAPs for later forensic activities
- Extract MAC addresses and device information for both Bluetooth and Wi-Fi

EO SPECTRE

- 100 MHz of instantaneous bandwidth – effectively covering the whole Bluetooth and Wi-Fi spectrum and all respective channels
- Hardware accelerated real time signal processing ensuring better performance and prolonged battery life
- Bluetooth BR/EDR (Basic Rate/Enhanced Data Rate) & LE (Low Energy) support
- Decoding Bluetooth BR/EDR traffic – Allows to dig deeper and extract information such as packet types which helps distinguishing voice and data traffic
- Bluetooth LE monitoring of both advertisement and data channels
- Spectral analysis – Fast sweeping up to 6 GHz with both 2D & 3D waterfalls (with up to 24 hour storage), individual pre-selected band monitoring, storing and comparing signal traces, smart notifications upon a presence of a uncommon signal and more

EO SPECTRE

- Advanced analytics – Identification of activity patterns of a specific device over time, revealing covert Bluetooth/Wi-Fi eavesdropping tools, thanks to logging and tagging each packet with time, GPS location, recurrence, and other factors for both surveillance purposes and surveillance countermeasures. Our engines utilize more information and device signatures beyond MAC addresses, as those may be manually or automatically changed with each transmission
- Automated PDF reports
- GPS tracking & map overlays
- EO Spectre software, which includes detection engines, user interfaces, and FPGA images, is continuously developed to incorporate new features, support the latest versions of technologies and protocols, and can be updated using secure offline update packages

Learn more at **eo-security.com**

+420 774 429 006

sales@eo-security.com