

ELECTRONIC DEVICE IDENTIFICATION

ELSAG® EOC PLUS

IDENTIFY SUSPECTS THROUGH THE ELECTRONIC DEVICES THEY USE

ELSAG EOC Plus is a groundbreaking electronic surveillance system for law enforcement that combines the legacy of LPR cameras with new sensor technology to identify electronic devices that can be associated with suspects. EOC Plus syncs the electronic identities of consumer electronics, like mobile phones and fitness trackers, with LPR data, to create an electronic fingerprint for that collective data set.

As the electronic devices emit frequencies, sensors in the EOC Plus system capture and associate them with records created by the LPR cameras. When an investigation begins, algorithms determine which specific mix of devices are predictably moving together. That specific mix of devices, communication patterns, and plate number — linked by common time stamps — are designated as an electronic fingerprint.

As an example, while thirty cars in 100 may contain iPhones, only one will have an iPhone 13rev2, an Audi radio, a pair of Bose headphones, a Garmin sports watch, a key finder, and the license plate ABC-1234. The collection of data represented by these specific things is an electronic signature.

ELSAG EOC Plus captures device frequencies emitted into the air. It does not decrypt or capture the contents of the devices or their communications. In the same way, license plate readers capture plate numbers from vehicles, not driver information. Officers, in turn, would need to make the connection between the digital information and any individual.

Features and Benefits of ELSAG EOC Plus

- Identifies suspects via the electronic devices they use such as mobile phone WiFi and Bluetooth, and fitness trackers
- Correlates devices that frequently travel together to each other, and to license plates
- Allows law enforcement to recognize a specific vehicle by electronic fingerprint even if the license plate is removed or changed
- Enhances discovery of gang, trafficking and convoy patterns
- Stores data on the EOC server where it can be queried and analyzed to aid investigations
- The system does not decrypt or store any message or device content, just the information identifying the device
- Increase sensor density at lower cost by deploying EOC Plus at sites with and without LPR
- EOC Plus sensors are effective in off-road areas such as rail stations and shopping centers

Devices That Move Together Help Law Enforcement Identify Suspects

ELSAG EOC Plus Correlates License Plates to these Devices, and More

RFID tags

- Key cards
- Asset tags
- Pallet transmitters
- Pets

Vehicle Components

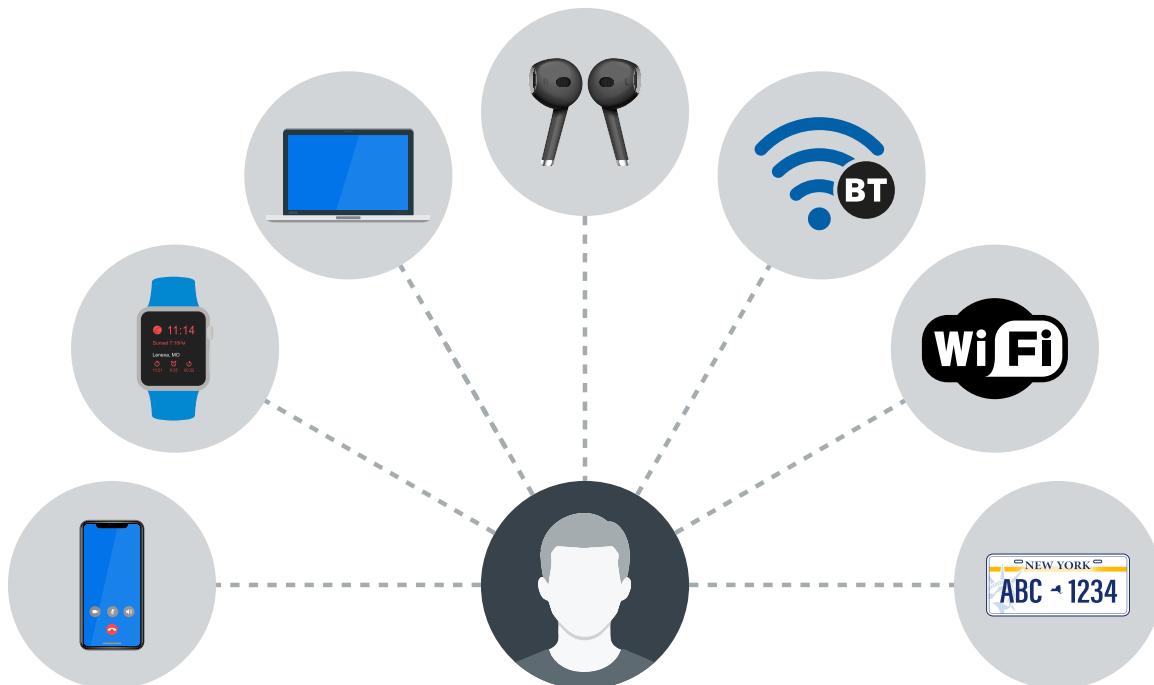
- Tire pressure sensors
- Security and Safety sensors
- Infotainment systems

Bluetooth®

- Phones
- Wearable Electronic Devices
- Headphones

Wi-Fi

- Vehicle Hotspots
- Phones/tablets
- Laptops



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