



# iVe – forensic acquisition and analysis of vehicle infotainment and telematics systems



Vehicles hold a vast amount of data that can be used to uncover critical information during an investigation and help determine what happened, where it occurred and who was involved. The iVe Ecosystem supports investigators throughout the entire vehicle forensics process to identify, acquire and analyze this data.

+ FAST EXTRACTION AND DECODING

+ GET MORE DATA

+ FULL EVIDENCE INTEGRITY

# Toolkit

The iVe Toolkit enables investigators to identify, acquire, and analyze data from vehicle systems. It can help identify patterns of life, people of interest, links between individuals, sequence of events, timelines of activity, and locations of interest. The iVe Toolkit supports investigators throughout the entire process.

## FULL PROCESS SUPPORT

### IDENTIFY

Identify vehicles supported by iVe, determine which systems are installed, know what data can be retrieved, and how to acquire the data all prior to taking action.

### ACQUIRE

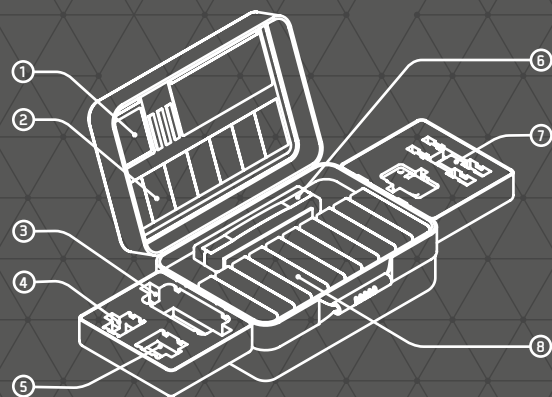
iVe hardware is used for accessing and connecting to vehicle systems. The iVe software has a simplified acquisition interface that walks users step-by-step through the process of acquiring data from systems.

### ANALYZE

The iVe software has a powerful and rich set of features built from the ground up for viewing and analyzing vehicle data. Easily navigate through years of data with the activity timeline and display geo-encoded data using the maps. Quickly determine how the data acquired relates to an investigation and verify key pieces of information to be used as evidence.

## WHAT'S INCLUDED

The iVe Toolkit is the focal point of the iVe Ecosystem. It consists of both software and hardware and contains everything an investigator needs to conduct a full examination.



1: License Hardware Key 2: Universal Cables 3: Power Supply  
4: Write Blocker 5: Physical Acquisition Tool 6: System Removal Tools  
7: Logical Acquisition Tool 8: Vehicle Interface Kits

### iVe HARDWARE

Contains all of the tools necessary for accessing systems and/or removing them from vehicles. It includes specialized cables, device interface boards, and power sources needed to connect to vehicle systems to conduct an acquisition.

### iVe SOFTWARE

A native Windows based application is used by investigators, in conjunction with the hardware, to facilitate acquisitions and to analyze the vehicle data acquired. The iVe software has a full suite of analysis features packed into an intuitive user interface that can be used by senior forensics examiners and non technical investigators alike.

# Discover Vehicle Data



Vehicles hold a vast amount of data that can be used to uncover critical information during an investigation and help determine what happened, where it occurred, and who was involved. The iVe Ecosystem supports investigators throughout the entire vehicle forensics process to identify, acquire, and analyze this key data.

## UNCOVER KEY EVIDENCE

### WHAT HAPPENED

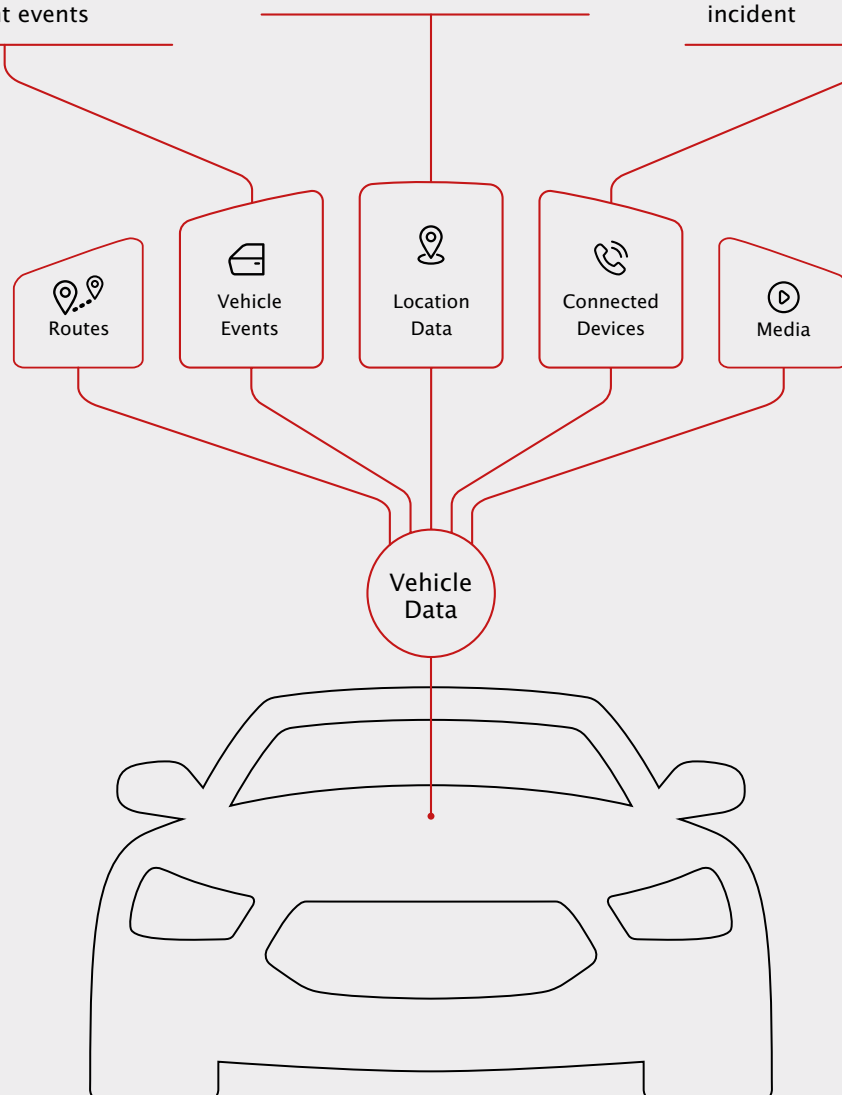
- Provide insight on the sequence of events that took place leading up to an incident
- Identify patterns of life and unusual events that happened around an incident
- Determine timelines of activity and establish a chain of significant events

### WHERE IT OCCURED

- Provide historical data to show where a vehicle was at specific times
- Identify areas frequently visited, new locations traveled, and future plans
- Determine how long particular locations were visited

### WHO WAS INVOLVED

- Provide unique identifiers that tie individuals to a specific vehicle
- Identify known associates and establish communication patterns between them
- Determine who may have been present or aware of key information during an incident



# The iVe Ecosystem

The iVe Ecosystem is a collection of tools that support investigators through the entire vehicle forensics process with a mobile application for identifying vehicles, a hardware kit for acquiring systems, and forensic software for analyzing data.

## MOBILE APPLICATION

iVe Mobile allows investigators to identify vehicles supported by iVe, determine which systems are installed, know what data can be retrieved, and how to acquire the data – all prior to taking action. It provides instructions for locating and removing vehicle systems and monitor the progress of long running acquisitions.

## HARDWARE

The iVe Toolkit is a collection of specifically developed interface boards and cables used to acquire various supported vehicle systems. The toolkit includes tools to help remove the systems from a vehicle when required. The interface boards and cables are used in conjunction with the iVe software to acquire the data.

## NATIVE SOFTWARE

iVe Desktop is a Windows based application. It is the workhorse of the iVe ecosystem and is used for all acquisitions. It is used to parse data, recover deleted information and view raw file systems. iVe Desktop includes a full suite of analysis and reporting tools to include mapping, data export, search, and timeline analysis.

- Supported Vehicle Lookup Tool
- System Identification Guides
- System Removal Instructions
- Acquisition Method Descriptions
- Database of Available User Data

- Trim Removal Pry Tools
- System Removal Tools
- Device Interface Boards
- System Interface Cables
- Portable Power Supplies

- Raw Data Analysis Tools
- Deleted Data Recovery
- Advanced Data Parsing
- Custom Report Builder
- Multifaceted Data Filtering
- Complex Search Capability

## iVe Renewal Plan

An iVe Renewal Plan includes 12 months of service, maintenance, and support. It includes any new hardware released and access to all software upgrades, enhancements, and updates. The renewal plan also includes replacement parts, refresher training for a certified examiner, and acquisition services.

## iVe Mobile

Enabling investigators to identify vehicles supported by iVe, determine which systems are installed, know what data can be retrieved, and how to acquire the data, all prior to taking action. Key features include:

### VEHICLE LOOKUP

Quickly determine if a vehicle is supported by iVe and what data can be acquired. Positively identify systems installed in a vehicle using the visual cues and what data can be retrieved.

### INSTRUCTIONS

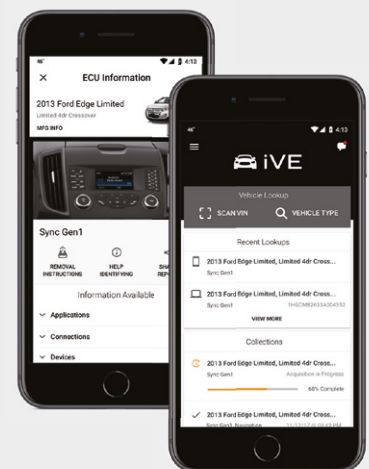
View step-by-step instructions for identifying supported vehicle systems, removing systems from a vehicle, and preparing to run an acquisition.

### COLLECTION SUMMARIES

View summary of data from iVe Desktop (applications, connections, devices, events, and navigation information acquired). Remotely monitor the progress of long running acquisitions and view the results.

### NOTIFICATIONS

Receive notifications when supported vehicles are added, acquisition instructions are updated, and acquisitions being monitored are successfully completed.



**BERLA**  
**MSAB**