

UFED Physical Analyzer Features List

■ Decoding

- **Data carving from unallocated space**
Recover a greater amount of deleted data from unallocated space in the device's flash memory
- **JTAG decoding**
Decoding of JTAG physical extractions of a rich set of data from Windows Phone 8, BlackBerry® 10, Android devices and more
- **iCloud backup**
Decode the iCloud backup obtained from Apple devices
- **Apps decoding**
Advanced decoding for a wide range of applications
- **Rich set of data**
Includes apps data, call logs, contacts, calendar, Wi-Fi, SMS, MMS, chats, applications
- **Highlighted parsed content in the Hex**
Highlights the exact position for each decoded content entry, enabling full tractability between the analyzed data and the Hex
- **Python scripting**
Using the Python shell, enhances the capabilities for content decoding
- **Plugin and chain management**
Able to run Python scripts via plugins, and edit and create new decoding chains
- **Image carving**
Powerful feature used to recover deleted image files and fragments when only remnants are available. Only applicable for physical extraction

■ Analysis

- **Malware detection**
Perform on-demand searches for viruses, spyware, Trojans and other malicious payloads in files
- **Project analytics**
View statistics on communications and identifying relationship strengths
- **Timeline**
Visualize events over time, view distances between events and see the number of events within a defined timespan in a table/graph view
- **Convert latitude longitude to address**
Convert single or multiple locations to their corresponding address
- **Map view**
View all locations on a single map

- **Offline maps**
View extracted locations using offline maps even without an Internet connection
- **Watch list**
Ability to highlight information based on predefined list of values
- **File viewer**
View text files including file information, content, and Hex
- **Advanced search**
Based either on open text or specific parameters
- **All projects field search**
Quick search within decoded data
- **Conversation view**
View communications between sources in date and time order
- **Entities bookmarks**
Quick reference pointer set to analyzed data item and data file item
- **Hex viewer**
Hexadecimal view of the extracted data enabling advanced search based on multiple parameters, regular expressions and more
- **Hex bookmarks**
Define and save specific locations in Hex data
- **SQLite databases viewer**
Viewing, searching and exporting tables and content (including deleted data) from SQLite database files
- **Translation**
Translate foreign-language content from your extractions using UFED Physical Analyzer's offline translation solution. Get 5 languages free of charge

■ Reporting

- **Report generator**
Generate and customize reports in different formats e. g. PDF, HTML, XML, Excel and Word
- **Export chat messages in conversation format**
Chat messages can now be exported in conversation format, in PDF reports
- **Exporting Emails**
Export selected emails to EML format

■ Confirmation

- **Hash verification**
Ensures the extraction decoded is the same extraction received from UFED device