# Unlock Digital Intelligence
## Accelerate Investigations Anywhere



## Cellebrite Mobile Forensics

## The Exploding Implications of Mobile Data

**The new smoking gun in criminal investigations? Mobile devices**

- A man accused of killing his brothers and his brother's fiancée in San Diego entered RIP on his cellphone calendar the day of the slayings[1].
- Six month old Facebook posts uncovered threats that could have prevented the murder of a soldier in the UK.
- Police in Chicago monitored social media to determine likely victims or perpetrators of gang violence.
- And 90% of the cases in one India city were solved using forensic information derived from cell phones[2].

From the high profile incidents that dominate the news, to those that never reach the public eye, the weight of mobile data in determining the outcomes of criminal cases is matched only by the sheer volume it now represents. A text. A call. A social media post. Each can establish the critical connections officers, investigators and prosecutors need to determine guilt or innocence - life or death.

Access. Analyze. Act. To do all three with increasingly complex mobile data requires new, more dynamic crime fighting tools. Cellebrite UFED Series solutions allow public safety agencies to simplify the data that surrounds them. Our tools give access to new data sources, unlock the intelligence of disparate mobile data sources and extend investigative capabilities to the field so actionable information can be shared quickly. We'll help you accelerate investigations, unify investigative teams and produce evidence you can stand behind.

1. http://www.nbclosangeles.com/news/california/Carlo-Mercado-Christmas-Eve-Killings-Belvedere-Flint-to-Stand-Trial-273845581.html
2. The Times of India

## Unlocking the Intelligence of Mobile Forensic Data Accelerates Investigations

Growing device backlogs. Limited resources. Lengthy case cycle times. From the police chiefs dedicated to optimizing personnel to better serve the public, to the forensic examiners charged with extracting and analyzing complex forensic data from a growing list of mobile device platforms and the prosecutors committed to swiftly taking criminals off the street, our industry-leading UFED Series has proven an indispensable crime fighting solution. By mining actionable evidence and intelligence from all available mobile data sources at any time and in any location, we help extract the insights needed to focus investigations, streamline workflows and turn information into intelligence.

### Extract Insights, Focus Investigations

As the sheer number of mobile devices grows, so too does the volume and complexity of data they contain. Having the right mobile forensic tools at the ready to extract that data quickly has never been more important. The UFED Series delivers the most comprehensive mobile forensics extraction and decoding capabilities on the market. Flexible and secure, our unique solution makes it easy for forensic specialists to access and import mobile, location, private cloud and operator data from the widest range of mobile and GPS devices. With it, officers, investigators and lab examiners can quickly and effectively bypass device user locks, decrypt encrypted data from rapidly changing device operating systems and recover texts, deleted emails, location information and account profile data – and take appropriate action.

### Unify Disparate Data into a Common View

More data sources mean more opportunities to reveal critical evidence and generate leads. But it also has the real potential to overwhelm already overworked forensic labs. What if you could normalize disparate mobile, cloud and operator data, including third party data, into a unified format for easier analysis? Our integrated solutions allow data to flow seamlessly between tools so forensic specialists no longer have to spend precious time requesting information from various service providers and then manually collating and merging it from multiple formats and sources - or risking the chance a critical piece of evidence is overlooked. The ability to efficiently search, analyze and cross-reference large data sets in a consistent format helps bring key insights to the surface quickly.

### Turn Information into Intelligence

What turns information into intelligence? Data analytics. The UFED Series is designed to simplify complex analytical tasks and cultivate more leads in less time. Robust analysis, visualization and reporting tools allow users to organize, search, map and carve data to identify patterns and reveal connections between one or more subjects. Easy to share and integrate with external analytical tools, our solution helps turn information into the actionable intelligence public safety personnel can count on.

## The Trends Shaping Mobile Forensics Demand

In the world of digital forensics, mobile data represents a complex, ever-evolving landscape
**Here's why:**

### Critical Evidence Now Mobile

# 95%

Of forensic specialists consider mobile devices their most important data source

### Strategically Social

# 63%

Of law enforcement agencies use social media for investigations

### The Rise of Predictive & Intelligence-led Policing Models

Real-time and historical data and the tools that make them actionable lie at the heart of Real Time Crime Center operations (RTCC)

# Unify Investigative Teams at Every Level

To serve and protect has become a complex business. The need for collaboration and information sharing across functions, departments and agencies has turned criminal investigations into a team sport. Our solution acts as a force multiplier, putting real-time data extraction capabilities in the hands of those closest to an incident. By simplifying and standardizing user workflows, the UFED Series delivers the accountability required to collect, protect and preserve mobile evidence.

## Real-time Field Extraction Reduces Backlog

Limited resources and lean budgets mean public safety agencies need to find ways to empower field personnel with intuitive, investigative tools. Ours allows them to efficiently perform simple, real-time extractions onsite and avoids adding to growing device processing backlogs. Extending simple extraction capabilities to first responders and detectives, also frees up forensic specialists to move beyond basic evidence collection to focus on more complex analytical work.

## A Single Platform Standardizes Investigative Processes

Speed and accuracy. When it comes to mobile forensic evidence, one cannot be sacrificed for the other. Our modular approach to data extraction, analysis and reporting scales across operating environments so potential evidence can be shared easily from the field to the lab. Role-based workflows increase collaboration and streamline investigative efforts so field and lab personnel efforts are optimized.

## Accountability for Every Action by Every User

Despite the inherent efficiency gains, distributing mobile forensic capabilities to the field creates new privacy and due process concerns for public safety officials. A comprehensive permission management system ensures complete accountability for every action and every user. Granular administrative controls at any extraction level – logical, file system or physical – makes it easy to create user profiles and assign data extraction permissions based on a "right to know, need to know" basis. This reduces the risk of users accessing private data beyond the scope of their legal authority.
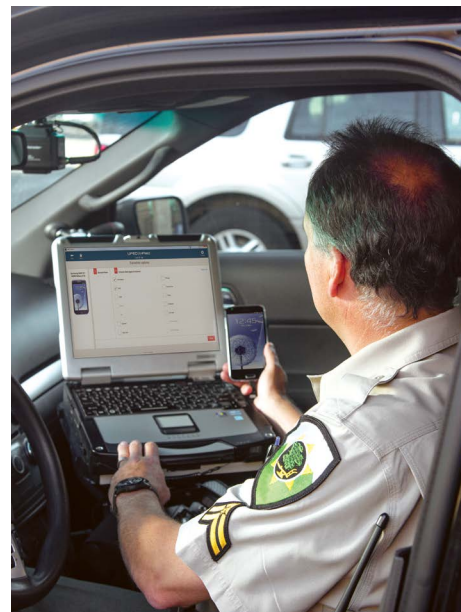
# Evidence you can Stand Behind

Every day, mobile digital evidence is impacting criminal investigations around the globe. Understanding how to best process and leverage it remains a defining law enforcement priority. The UFED series enables access to this data and delivers the context first responders and investigators need to see the big picture and all the connections that lie within it. It provides the foundation on which better, faster decisions can be made when seizing and searching mobile device data. Our proven, industry leading solutions allow you to unify workflows to extract, decode and analyze this goldmine of evidence in a forensically sound, repeatable process that protects it throughout the chain of custody.

## Visualize Connections to See the Big Picture

In any investigation, the ability to demonstrate how people, places and events are connected is a critical requirement for law enforcement agencies around the world. Our automated tools allow investigative personnel to quickly establish relevant connections by sorting, filtering, and organizing timelines, geospatial data, person-to-person links, and other relevant information, eliminating guesswork and reducing investigation cycle times.

## A Proven, Repeatable Forensic Process

To reinforce proper deployment of tools in the field and in the lab, our in-depth certification training provides hands-on experience with Cellebrite products and applications. It delivers the tools and knowledge required for forensically sound evidence collection from mobile phones, tablets and portable GPS devices. We'll show your personnel how to collect, analyze, and drill down to only the most relevant evidence, as well as how to document and report each action – whether for use as intelligence within a larger data set, or as evidence at trial.

## Robust, Easy-to-Read Reporting

Together, industry standard tools and training empower personnel – from the first responder to the forensic lab expert – to testify with confidence about the tools and processes used to preserve the integrity of mobile data evidence. When sharing critical evidence or intelligence with supervisors, command leaders, attorneys and other outside agencies, our solution ensures that the data they receive is comprehensive, relevant, and mission-specific.
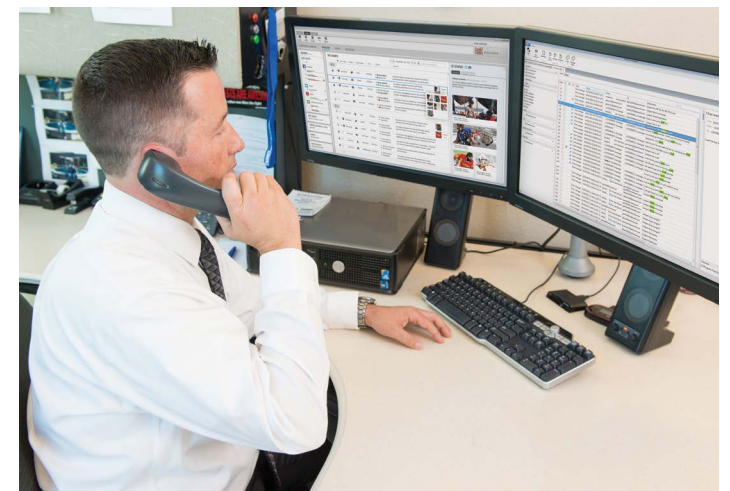
## The Cellebrite Mobile Forensics Solution at a Glance

We understand the complex challenges that forensics investigators face today and continue to innovate around them. The result? Industry-leading, award winning mobile forensics solution components. With unparalleled data extraction and analysis capabilities optimized for both lab and field personnel, our unified workflow allows examiners, investigators and first responders to collect, protect and act decisively on mobile data with the speed and accuracy a situation demands – without ever comprising one for the other.

Fighting crime is hard work. Our innovative solutions, workflows and training deliver the force-multiplier law enforcement agencies need to unlock the intelligence of mobile forensic data to accelerate investigations, unify teams and successfully close cases.

# UFED Pro Series

With mountains of data being created via mobile device applications daily - Facebook, Twitter, Kik, Snapchat, etc. - forensic examiners need quick and efficient ways to tap into rapidly expanding data sources when a situation demands. Our UFED Pro Series is designed for forensic examiners and investigators who require the most comprehensive, up-to-date mobile data extraction and decoding support available to handle the influx of new data sources. Flexible and scalable to meet all operational needs and lab environments, the UFED Pro platform features industry trusted tools and analysis capabilities that allow users to:

- Unify the collection, analysis and reporting of disparate data on a common platform
- Bypass user locks, recover application data and reveal deleted data from the widest range of devices in the mobile forensic market, including the leading smartphones
- Decode rich sets of encrypted and non-encrypted data and narrow results to certain date and time frames, or a maximum or minimum number of events, including:
  - Calls, SMS, MMS
  - Media, emails, calendar and contact files
  - Location information decoded from apps, GPS, cell towers, Wi-Fi networks and media files
  - Application data and private user cloud* data (*requires UFED Cloud Analyzer)

- Access a rich set of analysis capabilities including timeline, project analytics, watch lists, malware detection, language translation and more
- Validate recovered artifacts with a unique evidence verification engine
- Ensure extractions are performed in a forensically sound manner via proprietary read-only bootloaders
- Generate and share easy-to-read, custom reports in different file formats

## UFED Pro CLX

Our most robust offering for lab forensic specialists, UFED Pro CLX integrates UFED Ultimate, Cloud Analyzer and Link Analysis into a powerful solution that enables users to forensically extract and decode the widest array of mobile device, operator, application and private cloud data from the broadest range of locked mobile devices. Real-time access to private cloud-based data saves valuable time in having to acquire it from service providers like Facebook, Twitter, etc. Armed with intuitive link analysis and data visualization tools, specialists can rapidly import, normalize and organize disparate data, including third party data, from one or more devices into a unified view. Empowered with robust search, filter and dynamic visualization capabilities, including timeline and map-based views, specialists can quickly uncover common connections and correlate critical evidence that could help solve cases faster.

## UFED Pro LX

How much is forensic examiners' time worth? We believe plenty. With UFED Pro LX they can spend more time analyzing data and less time collecting and normalizing it from a variety of locked and unlocked mobile devices. Combining the in-depth extraction and advanced decoding capabilities of UFED Ultimate and UFED Link Analysis, users can effectively and efficiently organize, search, filter and carve visible, hidden and deleted data to more readily identify patterns and visualize connections. Designed to shorten investigation times, the task-flow oriented interface reduces the complexity of distilled data and turns raw mobile data into actionable intelligence.

# UFED Pro Series

# UFED Field Series

Rapid access to critical mobile data allows police officers and investigators to make rescues, prevent attacks or catch criminals in the act. Adding more devices to current lab backlogs makes time-sensitive responses impossible. Our UFED InField components speed the investigative process by extending logical data extraction capabilities to first responders, investigators, detectives and border/customs agents whenever and wherever it's needed. Platform agnostic, the UFED Field Series is designed to unify workflows between the field and lab, making it possible to view, access and share mobile data via in-car workstations, laptops, tablets or a secure, self-service kiosk located at a station. Our simplified, intuitive interface allows users to:

- Logically extract data from a wide range of devices such as: BlackBerry®, iOS, Android, Nokia, Symbian, Windows Phone, Palm and phones manufactured with Chinese chipsets
- Extract and analyze real-time mobile data, including call logs, contacts, calendar, SMS, MMS, media files, apps data, chats, passwords
- Automatically detect devices and provide one click password unlock

- Perform quick searches and filter data based on date, time, communication type, person, watchlists and view events in a timeline or map-based view
- Manage data access control with multi-level permission management settings
- Manually capture screen shots or phone images with UFED Camera and attach to the case report

Officers and investigators have tough jobs. Technology needs to complement, not distract, from daily tasks. By simplifying the access, analysis and sharing of actionable mobile device data, UFED Field improves real-time decision making when minutes matter. Designed specifically for the field environment, this all-in-one forensics solution features purpose-built workflows that enable users to quickly qualify evidence, speed investigations and reduce forensic lab backlogs.

## UFED Field ILX

Our ultimate field-based solution, UFED Field ILX brings our UFED InField and Link Analysis tools together allowing agency field personnel to conduct real-time examinations and analysis of mobile device data to speed gang suppression, drug interdiction or other time-sensitive investigations. Empowered with intuitive extraction, visual analysis and reporting capabilities, officers or investigators can quickly collect mobile device data, export it to a common database and then analyze it against either data collected previously from other suspects' devices or data from other sources. Built-in link analysis provides immediate visualizations of common connections, including third-party data. The faster field-based personnel can qualify and share actionable data, the faster criminals can be taken off the street and device backlogs can be lessened.

## UFED Field IX

To support routine searches or specialized operations such as task force investigations, our UFED Field IX delivers immediate preview capability for mobile device evidence in the field. Powered by UFED InField, users can quickly narrow data to a specific time frame and/or location, isolating evidence to the kind of targeted scope required by most courts of law. Equipped to perform a forensically sound, logical extraction of mobile device data, field personnel can immediately access, qualify and act on relevant data from their car or remote location for faster, more informed decision making in the field.

# UFED Field Series

# Empowering Next Generation Mobile Forensics

What keeps police chiefs and prosecutors up at night? Crime. What weighs heavily on the minds of forensics investigators? Mobile device backlogs and the warehouses of potential data evidence they now contain. Our job? To deliver peace of mind with innovative solutions that arm law enforcement agencies with the tools they need to quickly access, evaluate and act on mobile forensics data in the lab or in the field to solve crime faster and foster public safety.

The impact of mobile data evidence on public safety investigations and criminal proceedings has reached critical mass. But challenges of legal access and privacy remain. So as investigators, courts, government agencies, legal practitioners and social media companies grapple with how and when mobile data fits into existing rules of evidence, our innovation will continue. Our commitment? To ensure UFED mobile forensics solutions unlock the intelligence necessary to accelerate investigations, unify teams at every level and extract evidence you can always stand behind. Why settle for anything less?

## About Cellebrite

Cellebrite is the world leader in delivering cutting-edge mobile forensic solutions. Cellebrite provides flexible, field-proven and innovative cross-platform solutions for lab and field via its UFED Pro and UFED Field Series.

The company's comprehensive Universal Forensic Extraction Device (UFED) is designed to meet the challenges of unveiling the massive amount of data stored in the modern mobile device. The UFED Series is able to extract, decode, analyze and report data from thousands of mobile devices, including, smartphones, legacy and feature phones, portable GPS devices, tablets, memory cards and phones manufactured with Chinese chipsets. With more than 30,000 units deployed across 100 countries, UFED Series is the primary choice for forensic specialists in law enforcement, military, intelligence, corporate security and eDiscovery.

Founded in 1999, Cellebrite is a subsidiary of the Sun Corporation, a publicly traded Japanese company (6736/JQ)

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