Factsheet



Kudelski Labs - Intellectual Property Investigations

Protect Innovation and Realize the Value of Your Patents

Every year, companies make significant investments in research and development to create and patent new technologies that drive competitive advantages and growth.

Unfortunately, significant losses occur due to technology counterfeiting and misuse of intellectual property ("IP") by competitors. This undermines an innovator's ability to achieve a return on investment, secure first-to-market advantage and build brand confidence.

While patent owners can recover damages in court, proving IP infringement is becoming increasingly more challenging. The global proliferation of manufacturers and sophisticated, low-cost technology has lowered the barriers to infringers being able to copy, embed and obfuscate your IP in other devices, including in entirely different product lines.

For over 30 years, Kudelski Labs has helped companies recover millions in damages by investigating IP theft and uncovering unauthorised use of patented technology. Unlike other providers, our support covers the entire process—from working with your legal team to establish patent infringement to assisting your legal team during licensing discussions and legal proceedings.

The Kudelski Labs Advantage

- Leading security experts with advanced proprietary lab technology to access hardware and software, data at rest and data streams
- Thorough investigations to detect evidence of IP infringement
- Clear, actionable reports to support your case
- Evidence to support IP licensing discussions
- Expert testimony for legal proceedings

What Sets Us Apart

From technical investigation to support for your legal team, Kudelski Labs provides comprehensive services to help you detect, document, and defend against unauthorized use of your IP.

Advanced Technical Expertise
Our team combines deep hardware and software analysis skills with proprietary lab technology to deliver clear, actionable evidence concerning even the most complex devices and systems. Working with your legal team, we are able to provide technical reports and other critical information to support licensing discussions and legal proceedings.

Flexible Engagement
We adapt to your business needs. Choose the support model that best fits your requirements, whether a single project or an ongoing engagement.

Our Process

1. Define Scope & Goals

We work with you to define the scope of the investigation and set clear objectives.

2. Analysis

Our experts work with your legal counsel to identify the elements to be analyzed and collected from third-party devices.

3. Investigation

We conduct thorough investigations to detect and document use of your IP, drawing on our team's expertise in hardware and software security, forensics and cryptography.

4. Evidence Collection & Reporting

Using advanced tools and methodologies, we gather and analyse data and produce clear, actionable reports.

5. Technical Support

We are able to provide a variety of technical reports and expert witness testimony, supporting you and your legal counsel through licensing discussions and legal proceedings.

Comprehensive Support

Kudelski Labs supports you through every stage of the process, combining rigorous investigation methods with advanced technology and technical expertise.

Technical Capabilities & Tools

- In-depth analysis of the functional behavior of electronic devices and systems.
- Expertise in hardware, software and communication analysis, including:
  - Board and integrated circuit reverse engineering
  - Binary reverse engineering
  - Software decompiling
  - Communication protocol analysis
- Proprietary lab technology for locating and analyzing mechanisms, including:
  - Chip-off techniques to access obfuscated or hidden code in protected devices
  - Comprehensive communication monitoring for LTE, LPWAN and IP networks
  - Scanning electron microscopy and focused ion beam (FIB) for advanced inspection of design architecture, software code, and algorithms
  - Security protections bypass (fault injection, side channel attacks, vulnerability exploitation)

Expert Reporting

- Preparation of technical expertise reports detailing:
  - The mechanisms investigated
  - Methodologies used
  - Analysis and results
- We partner with your legal team to provide the evidence and analysis needed to support licensing discussions and legal proceedings.

Strategic Intelligence. Impactful Action.

Our semiconductor security expertise is rooted in more than three decades of hardware, software and cybersecurity experience. We use our expertise and technology to protect all key semiconductor assets - devices, identity, data, decisions, commands and actions throughout the lifetime of the device and its ecosystem.

Contact Us

Kudelski Labs leverages the Kudelski Group's decades of experience in intelligent security to solve the world's most complex cyberthreat challenges at the intersection of connectivity and safety. Its mission is to secure the future—across land, air, space, and industry—through advanced research, real-world engineering, and global partnerships.

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