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- [LI-2](#)

You'll call it "Intercepts made Easy." We call it the LI-5B.

The LI-5B is a purpose-built surveillance platform for Ethernet, IP and MPLS networks. This fanless, small form factor platform integrates 8GB of solid-state NAND storage with four 10/100 network interfaces, and uses less than 11W of power. It is an ideal surveillance platform for small to medium-sized telecom network operators, wireless ISPs, universities, and other organizations with government-mandated fiduciary compliance requirements. A perfect CALEA solution, the LI-5B offers best-in-class performance, flexibility, and economics. The optional ability to run non-CALEA applications increases the value of your investment and makes this platform truly unique in the industry.



Packet Forensics LI-5B

Introduction

The LI-5B is tailored toward specific needs in the areas of lawful intercept, network intelligence collection, and communications policy enforcement. The LI-5B is a complete turnkey Lawful Intercept solution fully contained in a proprietary hardware/software platform. Offering the most affordable approach to [CALEA](#) and other lawful intercept requirements, the comprehensive system is designed for flexibility and can be enhanced to support several other applications related to network surveillance.



 **CALEA**
Buy. Comply. Relax.

Specs at a Glance

Feature Highlights

- Ethernet Probe / IAP
- Dialed Digit
- Extraction
- Integrated Mediation
- Server

Network Interfaces

- 4x 10/100 Copper
- [Need something faster?](#)

Storage Capacity

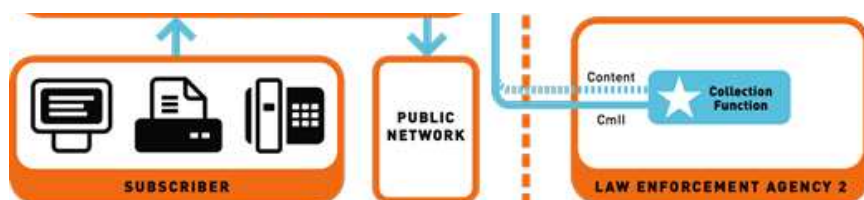
- Up to 8 GB NAND
- B-Y-O-D Options
- 2x USB 2.0

General Specs

- 10.75 x 4.5 x 1.75 inches
- [Need rack-mount?](#)
- OS in NVRAM
- Multi-LED Status Display
- Fanless, No Moving Parts
- Energy Efficient (11W)

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WINDOWS/MACOS X
Covert Feature Set

Performance Characteristics

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Other Contact Information

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Key Advantages of the LI-5B Network Surveillance Platform:

- Allows for drop-in technical [CALEA](#) compliance
- Communicates directly with law enforcement using **Safe Harbor** standards such as T1.678, T1.IAS, and several others
- Able to pair with another LI-5B to deliver a **virtual tap** anywhere in the world
- Provides both **IAP/Probe** and **Mediation** functions
- Performs **dialed digit extraction** using multiple methods
- Records network traffic with **intelligent ring buffering**
- Surveils networks using **deep packet inspection**
- Enables carrier-class performance and stability
- Exceeds standard LI **criteria selection** capabilities
- Uses **advanced firmware-update** to support evolving LI standards
- Allows **add-on applications** to operate on separate physical interfaces
- World-class surveillance that **fits in your backpack or briefcase**

Value-Add Solution

Packet Forensics adds value and reduces costs and installation challenges by using a unified hardware/software solution. This approach eliminates the expense of traditional systems that require separate IAPs and mediation devices, and integrates these functions into

Intercept Support

Unaltered Frame Forwarding
RADIUS Triggers
DHCP Triggers

Voice over Packet

T1.678
SIP
MGCP (partial)

Data Intercept

T1.IAS
EtherIP
PCap-over-IP
Short Term Storage (ATIS)
Chunked PCap capture

Other Standards Support

Voice over Packet

RFC 3261
RFC 1889
RFC 2833
RFC 2198
RFC 2327
RFC 3077
RFC 3924
RFC 3378
RFC 3031

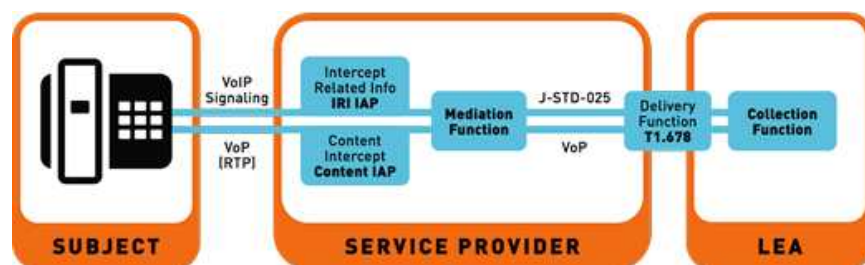
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[software policies.](#)

Specific LI for Specific Court Orders

Unlike many competitive solutions, Packet Forensics' surveillance software goes beyond *identifying* voice traffic and gives it the special handling it deserves. Instead of delivering a data intercept containing voice, our solution uses the proper mediation methodology and delivery protocol to treat voice intercepts differently than data intercepts. This affords you the most specific form of compliance while doing the best job of upholding the privacy of your constituents.



Advanced Policy Regime

Once an interception system is put into place, it seems natural to let it perform all your surveillance duties. Unlike many competitive solutions, Packet Forensics' feature-rich policy regime allows multiple policies to operate simultaneously on the entire data stream. This means that while you're searching for thousands of different strings deep inside each packet, you can also intercept VoIP calls, extract dialed digits, and correlate RADIUS logins with IP addresses to trigger data intercepts. Each policy can have different resulting actions, such as forwarding packets (without alteration) for further analysis to an existing tool kit, or summarizing them using a safe harbor protocol. Packet Forensics maximizes value and meets the essential needs of law enforcement.

Predictable Performance. Simple Scalability.

Packet Forensics adds value and reduces costs and installation challenges by delivering a unified hardware/software solution. This approach allows our product to scale predictably and reliably as customer needs increase. And with our multi-platform graphical user

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Surveillance Simplified. Meet the PF.LI-2.

The PF.LI-2 is a purpose-built surveillance platform for Ethernet, IP and MPLS networks. This rack-mounted 2U platform integrates up to 2TB of high-speed, reliable storage with ten 1-gigabit network interfaces, four of which offer SFP for a variety of fiber and copper media options. It is an ideal surveillance platform for small to medium-sized telecom network operators, universities, and other organizations with government-mandated fiduciary compliance requirements. A perfect CALEA solution, the PF.LI-2 offers best-in-class performance, flexibility, and economics. The added ability to run non-CALEA applications increases the value of your investment and makes this platform truly unique in the industry.



Introduction

The PF.LI-2 is tailored toward specific needs in the areas of lawful intercept, network intelligence collection, and communications policy enforcement. The LI-2 is a complete turnkey Lawful Intercept solution fully contained in a proprietary hardware/software platform. Offering the most affordable approach to [CALEA](#) and other lawful intercept requirements, the comprehensive system is designed for flexibility and can be enhanced to support several other applications related to network surveillance.



Specs at a Glance

Feature Highlights

- Ethernet Probe / IAP
- Dialed Digit Extraction
- Integrated Mediation Server

Network Interfaces

- 6x Gigabit Copper
- 4x Gigabit SFP
- Fiber & Copper bypass

Storage Capacity

- Up to 2 Terabytes
- Mirrored or Accelerated
- Hot Swappable Disks

General Specs

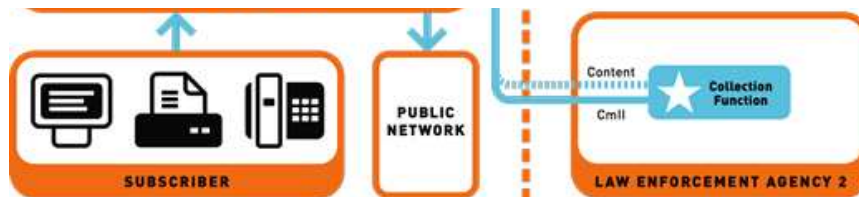
- 2U w/ Rack Rails
- OS in Flash Memory
- Serial Console with CLI
- Redundant Power Supplies
- LCD Status Display
- High-performance Fans

Optional Features

- GUI for Windows/MacOS X
- Crypto Accelerator
- RegEx Accelerator

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Key Advantages of the PF.LI-2 Network Surveillance Platform:

- Allows for drop-in technical [CALEA](#) compliance
- Communicates directly with law enforcement using **Safe Harbor** standards
- Provides both **IAP/Probe** and **Mediation** functions
- Performs **dialed digit extraction** using multiple methods
- Records network traffic with **intelligent ring buffering**
- Surveils networks using **deep packet inspection**
- Enables carrier-class performance and stability
- Exceeds standard LI **criteria selection** capabilities
- Uses **advanced firmware-update** to support evolving LI standards
- Allows **add-on applications** to operate on separate physical interfaces

Value-Add Solution

Packet Forensics adds value and reduces costs and installation challenges by using a unified hardware/software solution. This approach eliminates the expense of traditional systems that require separate IAPs and mediation devices, and integrates these functions into one streamlined system. This approach also avoids back-haul of data from edge collection probes back inside the core to mediation and then out again to the LEA. Management and maintenance of the single device is also greatly simplified to save time and reduce steps to comply with time-critical intercept orders.

inspection

Up to 1.44 Gbps storage*

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Other Contact Information

[Visit our Contact Page](#)



Intercept Support

Unaltered Frame Forwarding
RADIUS Triggers
DHCP Triggers

Voice over Packet

T1.678
SIP
MGCP (partial)

Data Intercept

T1.IAS
EtherIP
PCap-over-IP
Short Term Storage (ATIS)
Chunked PCap capture

Other Standards Support

Voice over Packet

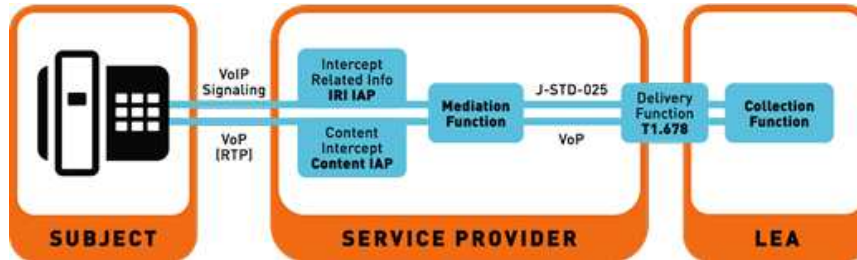
RFC 3261
RFC 1889
RFC 2833
RFC 2198
RFC 2327

* = Performance characteristics and

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delivering a data intercept containing voice, our solution uses the proper mediation methodology and delivery protocol to treat voice intercepts differently than data intercepts. This affords you the most specific form of compliance while doing the best job of upholding the privacy of your constituents.



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Privacy Policy

Packet Forensics is a trustworthy custodian of your information and our privacy policy is simple: we won't sell, rent, or give away your name, email address, or other credentials to anyone.

In the event you purchase something from our company, we share only what information is required by our payment processor to complete your transaction and we use the payment card industry (PCI) best practices when doing so.

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Export & Re-Export Requirements

Packet Forensics products are subject to the export control laws administered by the United States [Bureau of Industry and Security](#) (BIS). Their [Export Administration Regulations](#) (EARs) provide information on a wide variety of export restrictions and must be consulted if you are planning to export or re-export our equipment or software.

Packet Forensics' devices and embedded software are subject to US export controls and are classified under ECCN 5A002. They were authorized for export under the restricted provision of License Exception ENC on July 7, 2009 as CCATS #G069348. Packet Forensics' management software (when shipped standalone on optical media) is subject to US export controls and is classified under ECCN 5D002. It was authorized for export under the restricted provision of License Exception ENC on July 7, 2009 as CCATS #G069348.

Table of Products and Export Details

Generally speaking, Packet Forensics may export its products under **License Exception ENC** to all but a handful of embargoed countries and denied parties. Specifically, our products have been assigned the licensing mechanisms listed in the table below.

Product	ECCN	Exception	CCATS#	HTS/Schedule B	Regulation	Issue Date
M-Series (Comms Device)	5A002	ENC	G069348	8517.62.0050	EAR 740.17(A), (B)(1), (B)(2)	July 7, 2009
5-Series (Comms Device)	5A002	ENC	G069348	8517.62.0050	EAR 740.17(A), (B)(1), (B)(2)	July 7, 2009

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Software)(19)(1),
(B)(2)

2009

Additional Export Information

Entities wishing to export or re-export our products are advised to seek their own legal counsel and to consult the US Department of Commerce BIS regulations referenced above.

To **Canada**, exports are permitted to both government and non-government end-users
No License Required (NLR).

To Australia, Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Japan, Latvia, Lithuania, Luxembourg, Malta, Netherlands, New Zealand, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom, exports are permitted under **License Exception ENC** to both government and non-government end-users.

To all other countries (except Cuba, Iran, North Korea, Sudan and Syria), exports are permitted under **License Exception ENC** only to non-government end-users. Exports to "**government end-users**" will require an additional, specific export license.

A "**government end-user**" is defined as "*any foreign central, regional or local government department, agency, or other entity performing governmental functions; including governmental research institutions, governmental corporations or their separate business units (as defined in part 772 of the EAR) which are engaged in the manufacture or distribution of items or services controlled on the Wassenaar Munitions List, and international governmental organizations. This term does not include: utilities (including telecommunications companies and Internet service providers); banks and financial institutions; transportation; broadcast or entertainment; educational organizations; civil health and medical organizations; retail or wholesale firms; and manufacturing or industrial entities not engaged in the manufacture or distribution of items or services controlled on the Wassenaar Munitions List.*"

Export Reporting Requirements

Semi-annual reporting is required for exports under License Exception ENC to all destinations other than Canada. Exporters must include for each item, the Commodity Classification Automated Tracking System (CCATS) number -- *G069348 in this case* -- and the name of the item(s) exported (or reexported from Canada), the name and address of the recipient, the item and the quantity exported. If a distributor is involved, their details must also be reported. If you use a distributor and know who the end customer is, the end customer's details must be reported as well. For exports occurring between January 1 and June 30, a report is due no later than August 1 of that year. For

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Attn: Encryption Reports

Department of Commerce, Bureau of Industry and Security
Office of National Security and Technology Transfer Controls
14th Street and Pennsylvania Ave., NW.
Room 2705
Washington, DC 20230

Attn: ENC Encryption Request Coordinator

9800 Savage Road
Suite 6940
Ft. Meade, MD 20755-6000

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<https://www.packetforensics.com/terms.safe>

PACKET FORENSICS TERMS OF SERVICE

By using the packetforensics.net or amiowned.com web sites ("Service"), all services of Packet Forensics, LLC ("PacketForensics"), you are agreeing to be bound by the following terms and conditions ("Terms of Service").

PacketForensics reserves the right to update and change the Terms of Service from time to time without notice. Any new features that augment or enhance the current Service, including the release of new tools and resources, shall be subject to the Terms of Service. Continued use of the Service after any such changes shall constitute your consent to such changes. You can review the most current version of the Terms of Service at any time at: <http://www.packetforensics.net/terms.safe>

Violation of any of the terms below will result in the termination of your Account. While PacketForensics prohibits such conduct and Content on the Service, you understand and agree that PacketForensics cannot be responsible for the Content posted on the Service and you nonetheless may be exposed to such materials. You agree to use the Service at your own risk.

Account Terms

1. You must be 13 years or older to use this Service.
2. You must be a human. Accounts registered by "bots" or other automated methods are not permitted.
3. You must provide your legal full name, a valid email address, and any other information requested in order to complete the signup process.
4. Your login may only be used by one person; a single login shared by multiple people is not permitted.
5. You are responsible for maintaining the security of your account and password. PacketForensics cannot and will not be liable for any loss or damage from your failure to comply with this security obligation.
6. You are responsible for all Content posted and activity that occurs under your account (even when Content is posted by others who have accounts linked to your account).
7. You may not use the Service for any illegal or unauthorized purpose. You must not, in the use of the Service, violate any laws in your jurisdiction (including but not limited to copyright laws).

API Terms

Customers may access their PacketForensics account data via an API (Application Program Interface). Any use of the API, including use of the API through a third-party product that accesses PacketForensics, is bound by the terms of this agreement plus the following specific terms:

1. You expressly understand and agree that PacketForensics shall not be liable for any direct, indirect, incidental, special, consequential or exemplary damages, including but not limited to, damages for loss of profits, goodwill, use, data or other intangible losses (even if PacketForensics has been advised of the possibility of such damages), resulting from your use of the API or third-party products that access data via the API.

2. Abuse or excessively frequent requests to PacketForensics via the API may result in the temporary or permanent suspension of your account's access to the API. PacketForensics, in its sole discretion, will determine abuse or excessive usage of the API. PacketForensics will make a reasonable attempt via email to warn the account owner prior to suspension.

3. PacketForensics reserves the right at any time to modify or discontinue, temporarily or permanently, your access to the API (or any part thereof) with or without notice.

Payment, Refunds, Upgrading and Downgrading Terms

1. A valid credit card is required for paying accounts, also called subscriptions.

2. If you sign up for an account, and you don't cancel that account within 30 days, you will be billed monthly starting on the 30th day after your account was initially created.

3. The Service is billed in advance on a monthly, quarterly, or six-months basis (depending on your subscription type) and is non-refundable. There will be no refunds or credits for partial months of service, upgrade/downgrade refunds, or refunds for months unused with an open account. In order to treat everyone equally, no exceptions will be made.

4. All fees are exclusive of all taxes, levies, or duties imposed by taxing authorities, and you shall be responsible for payment of all such taxes, levies, or duties, excluding only United States (federal or state) taxes.

5. For any upgrade or downgrade in plan level (subscription type), your credit card that you provided will automatically be charged the new rate on your next billing cycle.

6. Downgrading your Service may cause the loss of Content, features, or capacity of your Account. PacketForensics does not accept any liability for such loss.

Cancellation and Termination

1. You are solely responsible for properly cancelling your account through the web interface or by e-mailing our support department (support at packetforensics dot com). A telephone request to cancel your account is not considered cancellation. You can cancel your account at any time using the My Account menu accessible in the global navigation bar at the top of the screen.

2. Your Content will not be available to you once you have cancelled.

3. If you cancel the Service before the end of your current paid up month, your cancellation will take effect immediately and you will not be charged again.

4. PacketForensics, in its sole discretion, has the right to suspend or terminate your account and refuse any and all current or future use of the Service, or any other PacketForensics service, for any reason at any time. Such termination of the Service will result in the deactivation or deletion of your Account or your access to your Account,

and the forfeiture and relinquishment of all Content in your Account. PacketForensics reserves the right to refuse service to anyone for any reason at any time.

Modifications to the Service and Prices

1. PacketForensics reserves the right at any time and from time to time to modify or discontinue, temporarily or permanently, the Service (or any part thereof) with or without notice.

2. Prices of all Services, including but not limited to monthly subscription plan fees to the Service, are subject to change upon 30 days notice from us. Such notice may be provided at any time by posting the changes to the PacketForensics Site (www.packetforensics.net) or the Service itself.

3. PacketForensics shall not be liable to you or to any third party for any modification, price change, suspension or discontinuance of the Service.

Copyright and Content Ownership

1. PacketForensics does not pre-screen Content, but PacketForensics and its designee have the right (but not the obligation) in their sole discretion to refuse or remove any Content that is available via the Service.

2. The look and feel of the Service is copyright 2007 Packet Forensics, LLC. All rights reserved. You may not duplicate, copy, or reuse any portion of the HTML/CSS or visual design elements without express written permission from PacketForensics.

General Conditions

1. Your use of the Service is at your sole risk. The service is provided on an "as is" and "as available" basis.

2. Technical support is only provided to paying account holders and is only available via email.

3. You understand that PacketForensics uses third party vendors and hosting partners to provide portions of the necessary hardware, software, networking, storage, and related technology required to run the Service.

4. You must not modify, adapt or hack the Service or modify another website so as to falsely imply that it is associated with the Service, PacketForensics, or any other PacketForensics service.

5. You agree not to reproduce, duplicate, copy, sell, resell or exploit any portion of the Service, use of the Service, or access to the Service without the express written permission by PacketForensics.

6. We may, but have no obligation to, remove Content and Accounts containing Content that we determine in our sole discretion are unlawful, offensive, threatening, libelous, defamatory, pornographic, obscene or otherwise objectionable or violates any party's intellectual property or these Terms of Service.

7. Verbal, physical, written or other abuse (including threats of abuse or retribution) of any PacketForensics customer, employee, member, or officer will result in immediate account termination.

8. You understand that the technical processing and transmission of the Service, including your Content, may be transferred unencrypted and involve (a) transmissions over various networks; and (b) changes to conform and adapt to technical requirements of connecting networks or devices.

9. You must not upload, post, host, or transmit unsolicited email, SMSs, or "spam" messages.

10. You must not transmit any worms or viruses or any code of a destructive nature.

11. If your bandwidth usage significantly exceeds the average bandwidth usage (as determined solely by PacketForensics) of other PacketForensics customers, we reserve the right to immediately disable your account or throttle your access including API access until you can reduce your bandwidth consumption.

12. PacketForensics does not warrant that (i) the service will meet your specific requirements, (ii) the service will be uninterrupted, timely, secure, or error-free, (iii) the results that may be obtained from the use of the service will be accurate or reliable, (iv) the quality of any products, services, information, or other material purchased or obtained by you through the service will meet your expectations, and (v) any errors in the Service will be corrected.

13. You expressly understand and agree that PacketForensics shall not be liable for any direct, indirect, incidental, special, consequential or exemplary damages, including but not limited to, damages for loss of profits, goodwill, use, data or other intangible losses (even if PacketForensics has been advised of the possibility of such damages), resulting from: (i) the use or the inability to use the service; (ii) the cost of procurement of substitute goods and services resulting from any goods, data, information or services purchased or obtained or messages received or transactions entered into through or from the service; (iii) unauthorized access to or alteration of your transmissions or data; (iv) statements or conduct of any third party on the service; (v) or any other matter relating to the service.

14. The failure of PacketForensics to exercise or enforce any right or provision of the Terms of Service shall not constitute a waiver of such right or provision. The Terms of Service constitutes the entire agreement between you and PacketForensics and govern your use of the Service, superceding any prior agreements between you and PacketForensics (including, but not limited to, any prior versions of the Terms of Service).

15. Questions about the Terms of Service should be sent to support at packetforensics dot com.