INVEA LI System

Lawful Interception System

Efficient IP target monitoring

- Conform to lawful interception standards (ETSI)
- No impact on monitored network performance
- Seamless integration into ISP's infrastructure
- Wire-speed, zero loss input traffic processing
- Dynamic target identification (DHCP, RADIUS)
- Unified management for all system components
- Up to 1000 IPv4 and 1000 IPv6 active targets
- Hardware accelerated probes for 100GbE
- Support for several independent LEAs
- Continuous enhancements and support

INTRODUCTION

Widespread information technologies provide fast and dynamic communication media even for criminals and terrorists. To be able to guarantee public safety, law enforcement agencies (LEAs) need to identify, intercept and analyze the content of the malicious communication. Flowmon Networks provides law enforcement and government agencies with the state of the art technology to solve the key part of the investigation process. Flowmon Networks LI System is the ideal instrument for collecting evidence from wired IP-based networks.

SYSTEM DESCRIPTION

Architecture and implementation of the LI System follows international standards closely while keeping high flexibility of the whole system. Therefore it can be deployed in different countries over the world and also easily modified to meet national legislative.

LI system consists of two main components - interception probes and mediation device - which are deployed at ISP's site. Interconnection of the components and schematic installation are shown in the picture. Whole system is managed through easy-to-use web interface compatible with all most-used web browsers.

The interception probes are located at input part of the processing chain. Traffic interception is based on the provisioned targets and their dynamic identification by analysis of AAA (RADIUS, DIAMETER) or host control (DHCP) systems. Their non-intrusive installation and passive operation mode guarantee invisibility in the network. Handover of the intercepted data is performed by mediation device. Mediation device encapsulates data stream into standardized format and forwards it to LEA for further processing.
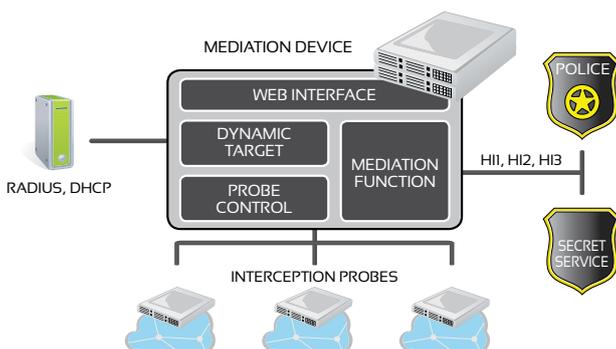
FEATURES

- ETSI LI standards conformance
- Easy third-party monitoring centers integration
- Dynamic target identification (DHCP, RADIUS)
- Hardware accelerated wire-speed 100GbE probes
- Centralized control over whole system
- Support for several independent LEAs
- Up to 1000 IPv4 and 1000 IPv6 active targets
- Encrypted communication and authentication
- Easily adaptable to national legislative

INTERCEPTION PROBE

Interception probe is the essential element of the system. It processes network traffic and searches for the traffic of interest. All intercepted traffic is forwarded to mediation device for conversion to handover format.

- Full-duplex 100 Gbps line monitoring
- LR, SR fiber optics supported
- Data export over dedicated 1 Gbps interface
- Support for L2 protocols (MPLS, VLAN, QinQ)
- Standard rack-mountable form factor

MEDIATION DEVICE

Mediation device is the central part of the lawful interception system. It is scalable and allows to increase volume of intercepted traffic as well as number of controlled interception probes.

- Support for standardized handover interfaces
- Handles multiple interception probes
- User friendly management interface
- Standard rack-mountable form factor

ORDERING INFORMATION

Please contact Flowmon Networks for pricing and additional information about this product.

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