



ENSURING CYBER SECURITY & PROTECTION

Providing deep Packet Inspection, Content Monitoring & Cyber Intelligence Solutions
with a high standard of security at any time and any place


clear content

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EXPERT IN LAWFUL INTERCEPTION

OVERVIEW

Expert Team (ET) is a global leader in providing Lawful Interception (LI) through our patent pending **RTPR** (Real Time Packet Reconstruction) technology and **IRGO** (Intelligent Reconstruction Gear OS) engine for Telco/ISP, Enterprise, Government and Law Enforcement Agencies (LEA). Our full suite of solutions comprise of **3i System**, **iRS System** & **iCS System** which can be seamlessly integrated into any existing network infrastructure.

ET Systems architecture is based on **64-bit platform** with **real time technology** that empowers organizations to process up to **layer 7 data traffic** from communication networks for analysis and legitimate evidence preservation.

ET Systems are built for high speed traffic processing up to **10Gbps** in a single 14RU chassis and with multiple-chassis performance. It can support up to millions of subscribers without packet lost and service degradation.

ET Systems provide visibility to clearer content and leverages on the latest **ETSI and CALEA standards** to minimize costs, reduce footprints and power consumption through virtualized solutions.



FAST FACTS ABOUT US

The world is rapidly changing!

There is an exponential increase in movement of information assets of nations, companies and individuals to the digital domain. Criminals and malicious individuals are well aware of this and continue to rampantly exploit the lack of adequately deployed technologies that monitor and help prevent cyber crime.

Having first hand witnessed and experienced being "one step behind the bad guys", a diverse, yet passionate group of individuals converged to form a company with a common goal to effectively tackle this challenge.

ENTER EXPERT TEAM!

With over 100 combined man-years of relevant experience, we are a group of industry professionals from varied backgrounds - Lawful Interception, Digital Forensics, Data Preservation and Retention, IT Security, Large scale Telco Infrastructure & Computer Networking. Our vision is to invent, develop, market and support cutting-edge Lawful Interception (LI) software solutions for cyber crime investigation and prevention. One of the core strengths of EXPERT TEAM is our unique Research and Development (R&D) team, which constantly endeavors to bring out practical, ease-of-use solutions that meet ever evolving global LI needs. Our Patent Pending RTPR (Real Time Packet Reconstruction) is one example of such innovation. Headquartered out of Singapore, we cater to the global customers with representation on 5 continents.

To ensure our clients get comprehensive end-to-end solutions, we partner and collaborate with best-of-breed solution providers in this space. Successful deployment and usage, is achieved through customized security, digital forensics and LI training that we have developed and provide.

With a focus on security intelligence, our ET solutions provide proactive information to help customers combat and neutralize terror threats, cyber crime and other unforeseen challenges.



3i & 3i-PLUS SYSTEM

Third Eye - Real-time Packet Capture & Reconstruction

HIGHLIGHTS

- Front end System(s) that capture streams of raw data from intercepted gateways, networks, switches, taps and probes
- Support 1G, 10G, 40G infrastructures running over IPv4 and IPv6 networks
- Decodes and reconstructs in real-time on various Internet protocols and applications such as Web Browsing, Voice Calls, Emails, Web Mails, Instant Messaging, Social Networking Sites, File Transfer, P2P File Sharing, etc.
- Integrated GeoIP for resolving country
- Available in different hardware platform from standalone, blade and rack systems
- One box solution for 3i with build-in storage devices
- Proven deployment at Enterprise, Telecom, ISP and Data Centre for real-time interception and reconstruction



3i-RS SYSTEM

Central Back-Up and Repository

HIGHLIGHTS

- Retention of large amount of data from all **3i-Systems deployed at all remote sites** for a longer period of time (weeks, months or years) depending on the customer requirements with flexible scalability in our configuration
- Secured data storage with fastest indexing of data captured and stored in the device
- Centralized back-up and restore system for **3i-Systems** and **3i-CS Systems** in multiple formats
- Proven field deployment at Telecom network infrastructure



3i-CS SYSTEM

Intelligent Command Centre

HIGHLIGHTS

- Centralized management System, which deployed at Command & Control Centre (3i-CCC) to manage all **3i-Systems** and **3i-RS Systems** remotely, securely and provides visibility into multiple geographical locations
- Provides single point, fast and powerful full content search across multiple **3i-Systems** and **3i-RS Systems** deployed across various organization-specific network topologies and infrastructures
- Retrieves and tracks various target users in Internet communication through user-friendly web management interface for multiple investigators
- Centralized monitoring with alerts, system health and statistical reports
- Proven deployment at Telecom network infrastructure



3i-TACTICAL SYSTEM

Advanced Wired & Wifi Interception System

HIGHLIGHTS

- Especially selected and brand laptop based system
- Support real-time active and passive interception on Wired and Wi-Fi network infrastructure
- Six (6) different modes of operation with both online and offline reconstruction
- Real-time protocols reconstruction of Internet traffic and communication of suspected targets
- Self-developed unique capability and solutions for cracking of WEP & WPA keys
- Proven deployment in the world and operated by most Law Enforcement Agencies



3i-FILTER SYSTEM

Layer 7 DPI Header & Payload Packet Filtering System

HIGHLIGHTS

- Filter up to 2 x 10G ports on network traffic
- Header stripping for VLAN and MPLS
- Provides layer 3 and 4 packet filtering by source/destination IP address, IP subnets and port numbers etc.
- Provides layer 7 DPI header and payload packet filtering - regular expression (RE) packet finding - keywords, email accounts, ID, accounts, patterns etc.
- Filtering simultaneously of up to few thousands of suspected targets
- Packets filtered can be output as packet stream to analyser such as our **3i & 3i PLUS System** which can be decoded and reconstructed to the useable data
- Proven deployment at Telecom network infrastructure



3i-WEB SYSTEM

Illegal Websites Interception & Blocking System

HIGHLIGHTS

- **3i-Web** has embedded the multiple of algorithms that allow network administrators and/or law enforcement agencies to view the actual content
- Enforcing policies such as monitor, intercept, block, allow or redirect the network traffic manually or automatically
- **3i-Web** appliance is designed to be deployed in any part of a network but works effectively when installed at the gateway level
- It detects any illegal contents in real time with 99.99% of accuracy through pattern matching using keywords and objects commonly used in gambling, pornography and trafficking
- **3i-Web** appliance is available in multiple forms, supporting small, medium or large scale of deployments
- User may select 1RU appliance with 1 Gbps performance and scalable to blade appliance with 140 Gbps performance
- Patent pending technology and solving most daily problems experienced by the LEA

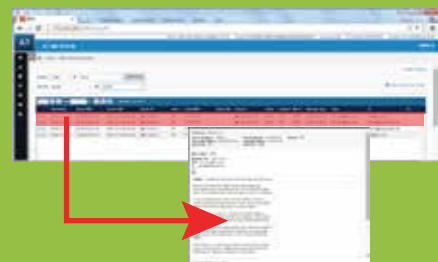
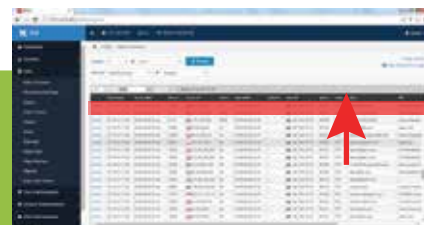
TYPICAL DEPLOYMENT

Product of Strategic Alliance Partner



Expert-Team solutions provide **CLEAR CONTENT** that enables all platforms of user from Enterprise to Lawful Agencies to manage their network like never before.

Our **3i-Systems** real time reconstruction and deep packet inspection design make us a leading technology company. This innovation enables proactive alerts, security threat mitigation and detailed business analytics on all protocols currently used in data communication



BENEFITS



Non-intrusive and seamless integration to IP Network. It preserves and retains users interactions and contents for improvements and optimized experience



Allows law enforcement authorities to track all activities of targeted suspects



Allows law enforcement authorities to detect with alerts on all existing & future unlawful activities like drugs trafficking, terrorism, piracy & etc.



Evidence collection for legitimate use in the court of law



Allows Governments to study behavior trends for National & Cyber Security and Political Stability



Set and Forget for Ease of Use - Quick overview of important key words search, alerts and comprehensive analytic tools. No additional resources needed to manage appliance and software



Web based GUI visualization - Dashboard for executive view on application throughput, top talkers & chatters etc.



Data Transfer Across Internet is Exponentially Increasing - Our solution - 64 bit architecture for more robust, scalable performance to meet future needs

Model	No of IP Nodes/Users	Estimated Throughput Mbps	Appliance - Hardware	Market
3i-LEA(S)	Unlimited	< 800 Mbps	2 x Multi Core CPU, 2TB HDD, 64GB RAM	Government - LEA
3i-LEA(L)	Unlimited	> 1 Gbps / 10 Gbps / 40 Gbps	Blade Server System (Customizable)	Government - LEA
Model	No of IP Nodes/Users	Storage Sizes	Appliance - Hardware	Market
3i-RS	Unlimited	Multiple TBs (Expandable)	2 x Multi Core CPU, 2TB HDD, 64GB RAM	Government - LEA
Model	No of IP Nodes/Users	No. of Managed 3i and iRS	Appliance - Hardware	Market
3i-CS	Unlimited	Unlimited	2 x Multi Core CPU, 2TB HDD, 64GB RAM	Government - LEA
Model	No of IP Nodes/Users	Deployment	Appliance - Hardware	Market

INSPECT. MONITOR. PROTECT

Providing deep Packet Inspection, Content Monitoring & Cyber Intelligence Solutions



Innovation



Investigation



Intelligence

= 3i

Fostering Innovation for Global Cyber Security Challenges
via our regional presence



Expert Team Product Portfolio

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