Ixia's network visibility solutions provide complete access to the carrier network traffic that the NextGen IDS and Network Forensic system NX-C6000/NX-C6500 needs to analyze.

**HIGHLIGHTS**

The NextGen VoIP/IMS Real Time Security Monitoring and Analytics solution examines packet data to provide carriers Intrusion Detection and Forensic Analysis of their VoIP implementations. IXIA NVS complements the NextGen solution by extending access to all the carrier network traffic needed for analysis. The joint solution provides complete visibility into network and VoIP traffic in a highly scalable system that is easy to deploy.

**SOLUTION**

Ixia's network visibility solutions work in concert with the NextGen VoIP aware IDS and Network Forensic system NX-C6000/NX-C6500 to capture and analyze data in a scalable solution that accurately and efficiently protects carrier VoIP networks of any size. The Ixia visibility solution passively directs out-of-band network traffic from multiple access points – SPAN ports or taps – in
the network to NextGen systems for analysis. Traffic is aggregated from all needed access points in the network to provide comprehensive visibility and to address shortages in monitoring access points. The NextGen systems then capture and analyze the data to help optimize security and performance of carrier VoIP implementations.

NextGen’s Real Time Security Monitoring and Analytics solution includes the NX-6000/NX-C6500 IDS and Network Forensic system designed to capture and analyze various VoIP related traffic types to help ensure, optimize and secure carrier VoIP implementations.

NextGen’s solution helps protect against DoS attacks, call fraud, caller-ID spoofing, and other threats to VoIP implementations in real-time. Ixia NVS directs traffic to NextGen NX-C6000/NX-C6500 IDS and Network Forensic systems which complete the analysis. NX-C6000/NXC6500 detects anomalies, pro-actively alerts carrier operations, provides statistics and reports for efficient investigation, and captures packets for forensic analysis and compliance audit.

JOINT SOLUTION BENEFITS

• Full network visibility – Ixia’s network visibility solutions deliver all required packet traffic from anywhere in the carrier network for analysis by the NextGen solution.
• Simplified deployment – The solution is flexible enough to work in any network environment and can share access with monitoring and security tools that are already deployed.
• Easily scalable – Additional 1GE, 10GE, 40GE, or 100GE ports can be added to meet bandwidth requirements and traffic can be load balanced across multiple NextGen systems for capacity and redundancy.
• Maximum efficiency – The Ixia’s network visibility solutions trim unneeded packet payload, and filters to include only needed packet types, so that the NextGen system can operate at full efficiency.

NEXTGEN INTRUSION DETECTION AND FORENSIC System For VoIP/IMS Networks NextGen’s NX-C6000/NX-C6500 is an IDS & Network Forensic system designed for VoIP/IMS core networks. This solution helps telecom operators reduce time and effort on analysis of security threats, allows early detection of network failures, and protects networks against sophisticated attacks.

Features of the NextGen solution:

• Detection and analysis of a wide variety of VoIP related security and performance threats such as DoS, call fraud, caller-ID spoofing, network issues, and others
• Visualization and Reporting of a wide variety of SIP anomalies and malware
• Recording of specific calls in support of lawful interception
• High performance & capacity with standalone or distributed system architecture
• Passive call blocking/screening working along with SBC (Session Border Controller)
• Support for VoIP/IMS relevant protocols such as SIP, SIP-I, SIP-T, Diameter, and so forth
IXIA EFFICIENTLY DIRECTS TRAFFIC TO SECURITY, NETWORK, AND APPLICATION MONITORING TOOLS

Ixia NVS provides NextGen NX-C6000/NX-C6500 IDS & Network Forensic access to all necessary carrier network data. Ixia’s NVS sits between the access points in the network that require monitoring, and the NextGen system. Ixia NVS aggregates traffic from multiple SPANs/taps in the network and directs it to any security or network analysis tool including NextGen. This approach provides efficient access to asymmetric traffic across large heterogeneous networks. Ixia NVS filters out traffic, which does not need analysis, prior to consuming resources on monitoring appliances.

Ixia NVS can share traffic from a network access point with multiple monitoring tools. This capability eliminates the common SPAN/tap shortages that occur when another tool is attached to a needed access point. Additionally, by filtering out irrelevant traffic or by trimming un-needed payload, Ixia NVS can enhance the throughput and storage capacity of the analysis tool. In addition the Ixia NVS session and protocol aware load balancing allows monitoring solutions to scale with multiple tool instances for capacity and redundancy purposes.

ABOUT NEXTGEN

NextGen is an independent solutions and services provider in the telecom sector that offers very advanced technology and consulting/engineering services to Tier-1 telecom operators. Its award-winning VoIP/IMS security solutions portfolio, including high value Security Audit Service and VoIP aware IDS & Network Forensic system NX-C6000/ NX-C6500, designed for VoIP/IMS core networks, helps customers with their

ABOUT IXIA

Ixia delivers a powerful combination of innovative solutions and trusted insight to support network and security infrastructures from concept to operation. Whether you are preparing a product for launch, deploying a service or application, or managing performance in operation, we offer an extensive array of solutions for testing, visibility, and security—all in one place.

Our solutions are used worldwide to validate network functions, test the integrity of security infrastructures, and deliver an end-to-end view of the network. The result: stronger networks, better performance, increased security resilience, happier customers, and maximum ROI.