Vision ONE:
Security Without Sacrifice

ALL-IN-ONE HIGH PERFORMANCE WITH LOSSLESS VISIBILITY

What network managers cannot see, they cannot fight. Threats carefully hidden in encrypted traffic can easily bypass security controls and the watchful eye of IT teams. Managing a myriad of security and performance monitoring solutions can compromise network performance. Application bandwidth explosions with the sudden and rapid expansion of a new or unknown application can go undetected until they threaten the availability and health of the network. There are ways to amplify these issues, but they often require a complicated mix of tools to gain complete visibility into all the traffic and applications on a network.

Ixia Vision ONE™ is a turnkey device that enables organizations to maintain security as well as identify and resolve performance problems across physical and virtual infrastructures from a single platform.

AMPLIFY SECURITY WITHOUT CHANGING A CABLE

Ixia Vision ONE provides IT Operations the ability to deploy resources where they are needed most and secure any traffic in their network. Ixia Vision ONE acts as the first step to security, providing reliable inline connectivity for security tools such as intrusion prevention systems (IPS), data loss prevention (DLP), and Web firewalls. It simultaneously connects out-of-band monitoring tools like intrusion detection systems (IDS) and data recorders. Ixia Vision ONE forwards selected traffic in a variety of formats to interoperate with any security tool. Integrated intelligence features use deep packet inspection (DPI) and enable you to:

- Access encrypted traffic using SSL decryption and encryption
- Reduce analysis traffic using advanced packet processing
- Precisely select traffic by application type, geography, and device criteria

HIGHLIGHTS

- Extends the reach of security tools to access the entire network
- Inline and out-of-band monitoring
- Scale your security infrastructure
- Line-rate packet deduplication, header stripping and other advanced features
- L2GRE termination from CloudLens vTap
- Identification of applications by bandwidth, session, and geography
- Simultaneous packet forwarding and generation of NetFlow v9 and v10 records

ixia
A Keysight Business

KEY FEATURES

- GUI allows you to focus on security with simple configuration for inline and out-of-band topologies
- Active SSL decrypts and re-encrypts traffic to offload the SSL burden from tools to improve ROI
- Zero-loss packet processing with deduplication and packet trimming without dropping packets
- Deep packet inspection classifies traffic in real time and directs it to the correct by application type, geolocation, or even handset type—so tools get just the traffic type they need
- Sophisticated load balancing distributes traffic across several tools for monitoring or inline in serial or parallel to maximize up-time and ensure that no critical data is lost
- Turnkey platform with extensive visibility intelligence features that can be used simultaneously!

VISION ONE VISIBILITY INTELLIGENCE FEATURES AVAILABLE

NETSTACK	PACKETSTACK	SECURESTACK	APPSTACK
Filtering, aggregation, replication, and more!	Full line rate intelligent packet filtering, manipulation and transport	Optimized handling for secure traffic	Context aware, signature based application layer filtering
• 3 Stages of Filtering (ingress, dynamic & egress) • Dynamic Filter Compiler • Source Port Labeling (VLAN Tagging & Untagging) • Aggregation & Replication • Load Balancing	• Deduplication • Header (protocol) Stripping & Packet Trimming • Timestamping • Data Masking • GRE Tunneling • Burst Protection (Deep Packet Buffering)	• Active SSL • Passive SSL Decryption • Data Masking Plus	• Application Identification • Geolocation & Tagging • Optional RegEx Filtering • IxFlow (Netflow+Meta Data) • Packet Capture • Real-Time Dashboard

LEARN MORE AT HTTPS://WWW.IXIACOM.COM/PRODUCTS/VISION-ONE

IXIA WORLDWIDE

26601 W. Agoura Road
Calabasas, CA 91302

(Toll Free North America)
1.877.367.4942

(Outside North America)
+1.818.871.1800

(Fax) 1.818.871.1805

www.ixiacom.com

IXIA EUROPE

Clarion House, Norreys Drive
Maidenhead SL64FL
United Kingdom

Sales +44.1628.408750
(Fax) +44.1628.639916

IXIA ASIA PACIFIC

101 Thomson Road,
#29-04/05 United Square,
Singapore 307591

Sales +65.6332.0125
(Fax) +65.6332.0127