Vision X

Vision X:
Scalable Visibility for Data Centers Today and Tomorrow

GROWING DATA VOLUMES REQUIRE TECHNOLOGY UPGRADES

Global Internet Protocol (IP) traffic levels are estimated to triple in size from 1.5ZB per year in 2017 to 4.8 ZB per year in 2022[1]. Is your network in a good position to keep up with this growth? To maintain quality of service (QoS) and quality of experience (QoE) as data levels rise, a network upgrade is unavoidable. Whether you are upgrading now or in the future, you need a solution that scales to your requirements without losing visibility or replacing existing tools.

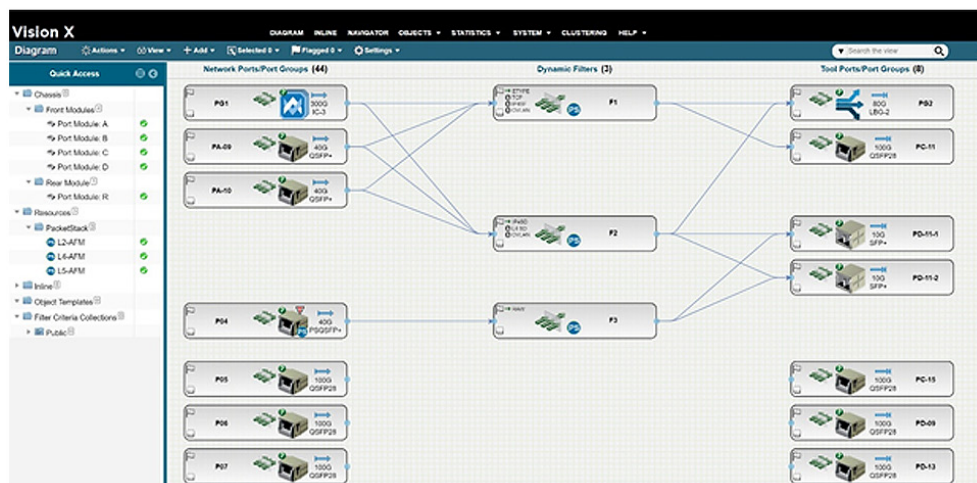### FUTURE-PROOFED FOR THE NEXT GENERATION

Ixia's Vision X packet broker enables you to manage visibility holistically. Using a modular, high-density platform, Vision X scales with the growth of your data center today, and in the future. Vision X adapts to your requirements so you can plan upgrades and expand your data center without replacing existing monitoring and security tools. This gives you the flexibility to develop your next-generation data center architecture while reducing risk and vulnerabilities.

Highlights

- Vision X is a modular, high-density platform that scales with your needs

- Upgrade and grow your data center without losing visibility or replacing existing tools

- Develop your next-generation data center architecture while reducing risk and vulnerabilities

- The Vision X chassis contains customizable module bays that can be exchanged at any time

- Vision X supports NetStack and PacketStack visibility intelligence features for line-rate, lossless processing and filtering

1 "Cisco Visual Networking Index: Forecast and Trends, 2017-2022," Cisco, 2019."

A POWERFUL, HIGH-DENSITY SOLUTION

The Vision X chassis has four customizable module bays in the front, and one rear bay for added processing power. This allows you to exchange modules at any time. If your network requires faster speeds and higher bandwidths in the future, switching is simple.

Vision X aggregates and monitors up to 6 Tbps of total traffic from the edge to the core for processing and analysis. Each chassis supports up to 60 multispeed ports ranging from 10 to 100G, and processes up to 2 Tbps of data — all while occupying only three rack units. Vision X supports both PacketStack and NetStack visibility intelligence features, making it Ixia's high-performance, high-density network visibility solution.

PacketStack
Line-rate, lossless packet manipulation and forwarding

• Deduplication
• Header stripping
• Packet trimming
• Data masking Timestamping

NetStack
Robust filtering, aggregation, replication, and more

• Three stages of filtering
• Dynamic Filter Compiler for overlap resolution
• Per port or per filter VLAN tagging
• Many-to-many aggregation
• Load balancing inlucidng asymmetric LB
• Replication at both ingress and egress

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