

Vision Edge 1S: Visibility and Performance Monitoring for the Edgeless Enterprise

Versatile Visibility at the Edge

Connected devices are expanding our networks exponentially, both in density and geographical distance, as Wi-Fi becomes more accessible. And the web of connections is only spinning wider and wider. This forces companies to increasingly rely on edge computing to solve the latency, bandwidth, and security concerns that centralized data processing poses for devices at the edge.

“Something like 20% of enterprise data processed outside of data centers today. But by 2022, Gartner expects the majority of enterprise data to be produced and processed outside of data centers, and it is conceivable that will grow to 75%, 80% or 90% by 2025”.¹

With edge computing increasing in demand, the need for visibility on the edge is growing ever more critical. Introducing localized data processing improves speed and optimizes digital infrastructure while increasing the complexity and attack surface of your network. This creates vulnerabilities that threaten both the security and performance of your branch sites.

Network Visibility + Network Performance Monitoring = Vision **E1S** with Hawkeye



Highlights

- Vision Edge 1S gives you critical visibility and performance monitoring at the edge of your network
- Troubleshoot performance issues faster and prevent costly downtime leveraging mix of packet, flow and synthetic monitoring
- Maximize the effectiveness of your tools with Ixia visibility intelligence features
- Both compact and cost-effective—Vision E1S is the most competitively-priced packet broker in Keysight's Vision Portfolio

1. Gartner, “How Edge Computing Redefines Infrastructure,” August 23, 2018, 2.

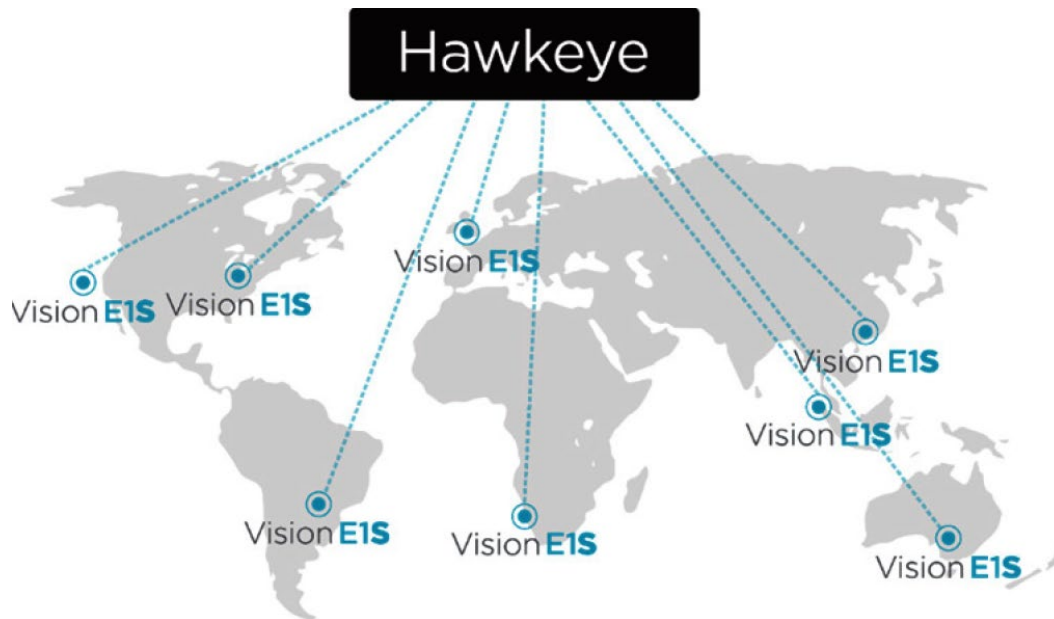
Introducing Vision Edge 1S – Visibility and Performance Monitoring in One

The Vision Edge 1S network packet broker combines the industry-leading visibility intelligence capabilities of NetStack, PacketStack, and AppStack with the network performance and application monitoring power of Ixia's Hawkeye. Designed for your remote sites, Vision E1S can process, filter, and distribute monitoring data to your performance and security tools while generating synthetic traffic for verifying capacity and troubleshooting your network. Boasting a compact, cost-effective form factor, Vision E1S is Ixia's most affordable packet broker for both your budget and your office space.

Remote and Real-time Control

Vision E1S is configured and controlled through Keysight's Hawkeye controller. Key Performance Indicators (KPIs), performance metrics, endpoints, and scheduled tests are displayed in real-time on the dashboard—giving you insight into your branch sites' performance and aiding you in pinpointing threats to your network.

Keysight's visibility intelligence features are also accessible from the dashboard—enabling you to quickly deploy monitoring data filters, collect NetFlow data, distribute data, and more with a simple click.



Blend of Packet, Metadata, and Synthetic Monitoring



NetStack

- Packet Mapping
- Packet Aggregation
- Packet Replication



AppStack

- IxFlow generation
- Application-based filtering
- PCAP capture and export



PacketStack

- GRE tunnels origination and termination
- Packet stripping



Active monitoring with Hawkeye

- Validate network performance end-to-end
- Validate access performance to Cloud resources
- Validate access performance to SaaS services (eg Office365)
- Troubleshoot network paths

Learn more at: www.keysight.com

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