

# 5 Ways Cybersecurity Benefits from Network Visibility

There's more to see than ever

## 2 PETABYTES

Enterprise data volumes doubled between 2020 – 2022

[ Statista ]

and some of this traffic carries threats to your business

## >85%

of attacks use encrypted channels across various stages of the kill chain (phishing, malware delivery, C&C activity, and more)

[ Zscaler ]

## 20%

of companies surveyed experienced a "serious" or "severe" outage (financial losses, reputational damage, compliance breaches, loss of life)

[ Uptime Institute ]

## \$4.4M

Average cost of a data breach in 2022

[ IBM ]

## But it doesn't have to be that way . . .

You can avoid downtime and protect your data with complete, actionable visibility into ALL potential threats on your network.

## Complete network visibility strengthens security in 5 different ways . . .

### #1.

#### Leaves nothing to chance

Zero packets dropped by Keysight's Vision Network Packet Brokers (NPBs) – **not true of other vendors' solutions.**

### #2.

#### Offloads decryption 100%

to conserve capacity and processing resources on security tools

**Decrypt traffic 1x, analyze many times**

### #4.

#### Serial tool deployment

45.8% of companies surveyed use more than one inline serial data analysis tool.

**Use an inline NPB to enable quick and easy serial tool deployments.**

### #5.

#### 100% self-healing capabilities

**Flexibility:**

Install new devices in minutes (vs. hours)

Replace inline equipment anytime without disrupting live networks

Maximize use of maintenance windows

**Resilience:**

Maintain business continuity

Route traffic around security tools as needed

Automatically resume flow as tools come back online

## How you get there matters . . .

Heartbeat messages ensure

## 100%

Devices are up and running

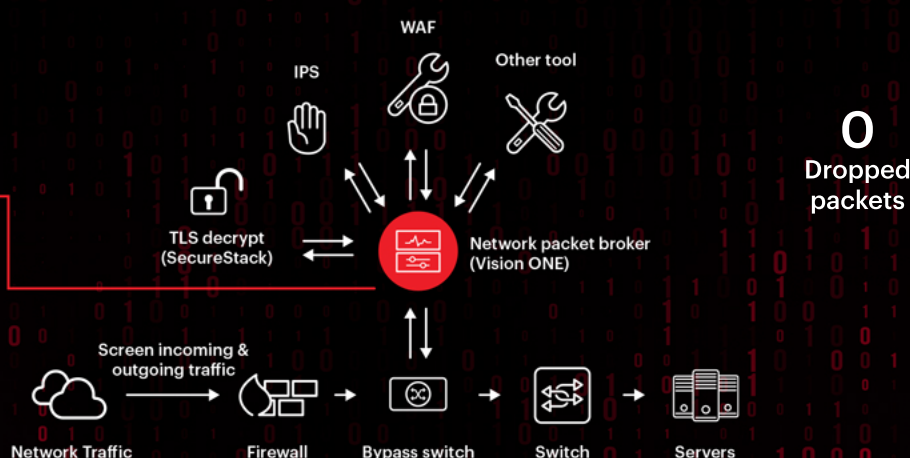
## 100%

NPBs load balance traffic to security monitoring tools for analysis

**Improve tool, bandwidth utilization!**

## 100%

Keysight Vision NPBs offload SSL/TLS decryption from firewalls and prepare data for analysis by security tools



## 100%

Network resilience during power, network, device failures

## 80%

External bypass delivers faster switching time

## The bottom line: Less risk with less cost.

A faster, stronger, more resilient security posture – fewer outages with fewer cycles.

Network operations teams are nearly 15% more successful when they have NPBs deployed. [EMA]

## Learn more about Network Visibility

[www.getnetworkvisibility.com](http://www.getnetworkvisibility.com)

References:

Zscaler: <https://info.zscaler.com/resources/industry-reports-the-state-of-encrypted-attacks-2022>

Uptime Institute: <https://uptimeinstitute.com/about-ui/press-releases/2022-outage-analysis-finds-downtime-costs-and-consequences-worsening>

Statista: <https://www.statista.com/statistics/1186304/total-enterprise-data-volume-location/>

Future CIO: <https://futurecio.tech/cybersecurity-outlook-in-2023-persistent-threat-is-here-to-stay/>

IBM: <https://www.ibm.com/reports/data-breach>

<https://cyber-edge.com/resources/insights-from-the-2023-cyberthreat-defense-report/>

<https://www.enterprisemanagement.com/research/asset.php/3899/Network-Management-Megatrends-2020>