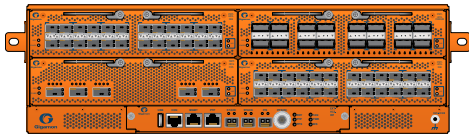


# Product Brief

## GigaVUE-HC3



### Traffic Intelligence at Scale for the Most Demanding Networks

Enterprises, services providers, and the public sector are seeing more and more volumes of data traveling faster and faster through their networks. This generates more complexity, more cost, and more vulnerability to security threats than ever before. The right way to solve this challenge is to have pervasive visibility into the data moving throughout the network infrastructure.

The GigaVUE-HC3 visibility node enables comprehensive traffic and security intelligence at scale to see more, secure more, and expand your security and monitoring infrastructure to meet your needs.

Offering up to 25Tbps of traffic intelligence across 32 clustered nodes, the GigaVUE-HC3 enables you to gain deeper visibility into your data in motion, minimize traffic overload, extract metadata from network traffic, and provide more effective options to deploy both inline and out-of-band security tools.

The GigaVUE-HC3 visibility node provides you with security intelligence in 10, 40 and 100Gb networks. With mix-and-match capabilities, this modular appliance enables you to establish and expand your Visibility Platform as your needs grow.

### Use Cases

#### Application And Service Monitoring

- Eliminate contention for network data
- Centralize Netflow/IPFIX Generation
- Filter streaming media and custom Layer 7 applications

#### On-Premise Monitoring of Cloud Services

- Get visibility into SDN infrastructure as well as private and public clouds.

#### Leverage Legacy Investments

- Take advantage of legacy tools with mismatched throughput connectivity
- Get network visibility during network upgrades

#### Security Posture Optimization

- Active security remediation with inline bypass
- Identify malware activity through Metadata Generation

**4.7ZB** global data center traffic in 2015\*  
**\$7M** average total cost of US security breach\*\*

### Key Benefits

#### Network Operations

- ✓ Deliver up to 25Tbps of processing power for optional GigaSMART® technologies
- ✓ Forward complex traffic decisions at wire-speed performance
- ✓ Scale your platform with 100Gb connectivity, modular design, and 32-node clusters

#### Security Operations

- ✓ Consolidate and simplify your security infrastructure
- ✓ Enhance your network security with GigaSECURE® traffic intelligence applications
- ✓ Provide session and security awareness with metadata generation on line rate 100Gb connectivity

\*"Cisco Global Cloud Index: Forecast and Methodology, 2015–2020."

<http://www.cisco.com/c/dam/en/us/solutions/collateral/service-provider/global-cloud-index-gci/white-paper-c11-738085.pdf> Cisco, 2015.

\*\*"2016 Cost of Data Breach Study: Global Analysis, Ponemon Institute"

<https://securityintelligence.com/media/2016-cost-data-breach-study/> Ponemon, 2016.

## Key Features

### Modular Chassis

- Customize port capacity, speed mix, and GigaSMART processing power to the needs of your network.
- Reduce cost and reserve space for future expandability.

### Field-replaceable control card

- Upgrade features and capabilities without replacing the chassis or even removing it from the rack.

### Traffic Intelligence with GigaSMART

- Leverage 800Gbps of traffic intelligence processing per unit.
- Enhance visibility into encrypted sessions.
- Optimization of tools by removing duplicates and superfluous headers.

### Clustering

- Extend Visibility Platform to 32 nodes, thousands of ports, and over 100Tb of traffic.
- End-to-end Flow Mapping® with single management and orchestration pane.
- Utilize optional GigaSMART applications and services from anywhere in the cluster.

### Inline Bypass Protection

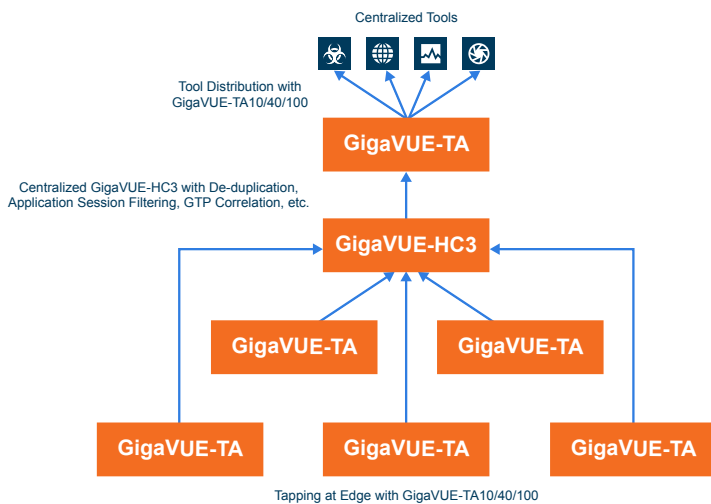
- Safely deploy inline tools by monitoring their health and bypassing them in case of failure.
- Scale inline deployments by distributing traffic across multiple tools and/or bypassing specific traffic.
- Send specific traffic to tools optimized for that traffic.
- Migrate out-of-band tools to inline mode and replicate traffic to out-of-band tools.

### REST API Support

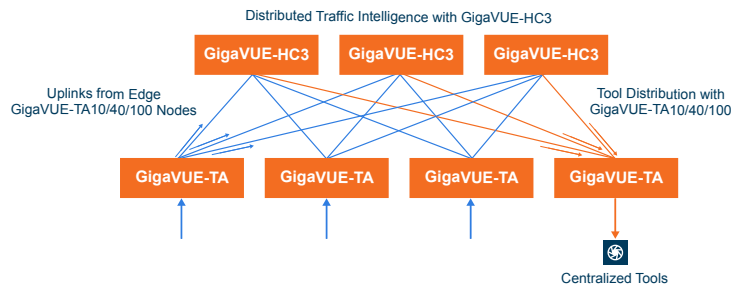
- Programmatic access to the Visibility Fabric via REST APIs exposed from the Fabric Manager, GigaVUE-FM.
- Allow implementation of Software-defined Visibility paradigm by system administrators.
- Integrate with tools, controllers and other IT systems to enable rapid programmatic response to events.

## Deployment Options

### Centralized Deployment of the GigaVUE-HC3 for Pervasive Visibility



### Leaf-spine Deployment of the GigaVUE-HC3 for Multi-path Resiliency



## Ordering Information

To order the GigaVUE-HC3 or any of its components, please refer to the data sheet specific to your Gigamon visibility node.

## For More Information

For more information about the Gigamon Visibility Platform or to contact your local representative, please visit: [www.gigamon.com](http://www.gigamon.com)