



VIAMI



# Observer GigaStor

Retrospective Network Analyzer

## Rewind. Review. Resolve.

### Stop Missing Critical Network Events

Observer® GigaStor™ plays a significant role for transaction-heavy organizations in data mining, network forensics, and data retention compliance. The undisputed leader in retrospective network analysis (RNA), GigaStor eliminates the time-consuming task of recreating problems for troubleshooting. Just hit rewind to go “back in time” and review past network activity. Then, navigate to the exact moment a problem occurred and see detailed packet-level views before, during, and after an issue occurrence.

## Benefits

GigaStor is the perfect solution for security, compliance, and troubleshooting needs. It ends finger-pointing between network and application teams, provides fast and accurate issue identification, and speeds resolution—offering corporate-wide benefits and advantages.

- Back-in-time functionality
- Data storage capacity to more than a petabyte
- Exclusive Gen2™ packet-capture technology
- Superior scalability
- Root-cause analysis
- Platform integration
- Latency identification
- Portable options
- Server delay tracking
- Application-specific error monitoring
- Expert Analytics
- Hypervisor visibility through GigaStor Software Edition

“In the financial industry, losing any data is a big deal. That’s why we use Observer Analyzer Expert Edition and GigaStor to ensure we see everything.”

—Chicago Board Options Exchange

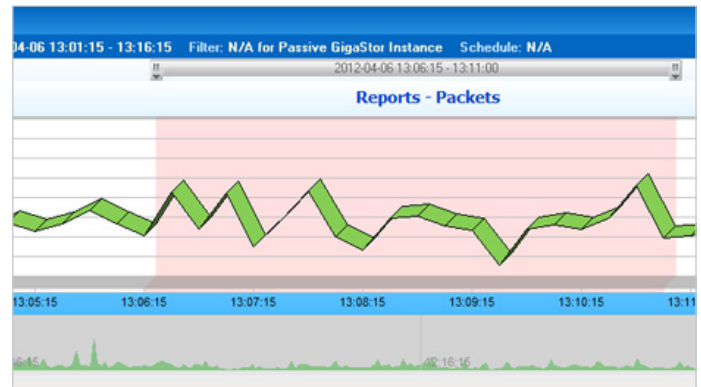
## Key Features

### Capture Extraction

Whether performing troubleshooting directly or sharing with third-party solutions, accessing packet-level data is easy with GigaStor capture extraction. Critical service-level communications can be mined through a browser (without a thick client) by using the built-in web service, along with valid credentials.

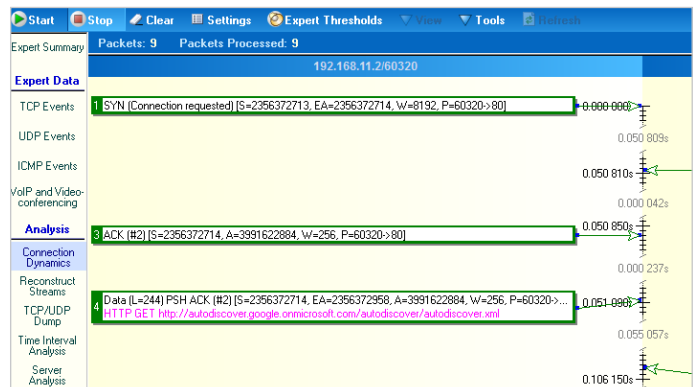
### Time Navigation Interface

Simplify problem isolation with GigaStor’s unique time-based navigation system. Identify time of problem occurrence, and then navigate down to the nanosecond for quick and accurate root-cause location. GigaStor also offers a big-picture view with a macro timeline graph for proactive management.



### Root-Cause Analysis

Sift through petabytes of data, perform analysis, and find the problem through root-cause analysis—minimizing downtime and end-user impact. From an enterprise-wide view, you can track bandwidth utilization, network top talkers, application metrics, and even VoIP quality statistics.

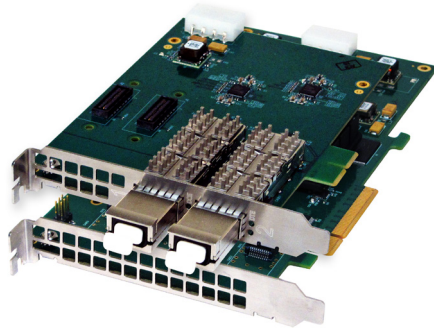


## Flexible Deployment Options

GigaStor is available in multiple form factors. Hardware versions include rack-mount and portable models. You can also gain core packet capture and write-to-storage with GSE configurations that can be installed on a laptop - or within a VM instance for hypervisor east-west traffic visibility.

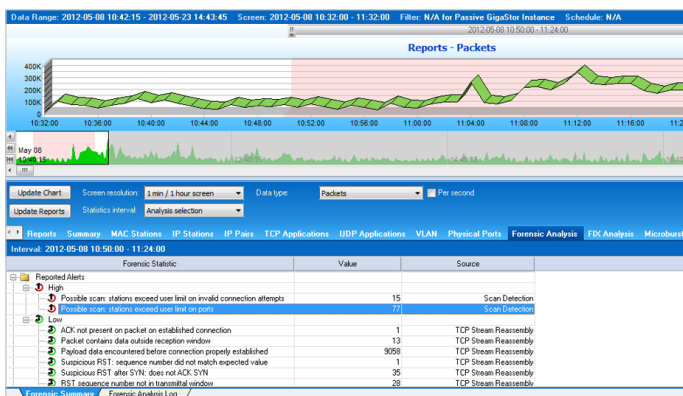
## Precision Engineering

Designed to maximize performance on critical links, Gen2 packet-capture technology guarantees the fastest real-time capture, the largest buffers, and the highest port density in the industry. Depending on the model, GigaStor supports full-duplex 1/10/40 G line rates.



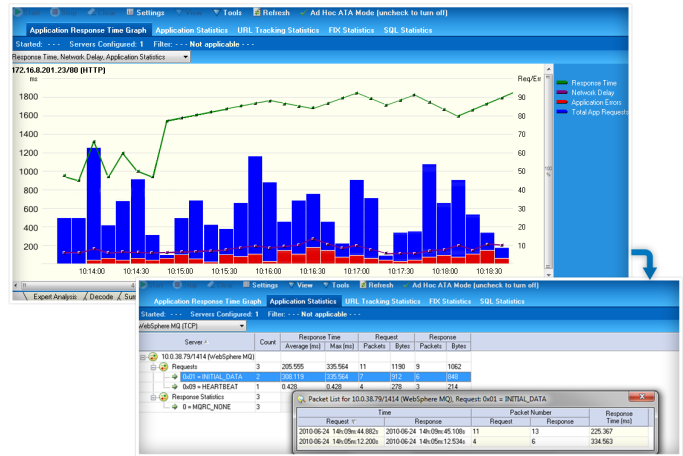
## Forensics — Security and Compliance

GigaStor serves as a network eyewitness, determining whether a problem relates to the network, security, or application. It passively captures and archives all data traversing the network for later analysis and reporting, making it ideal for meeting security forensics and compliance objectives—providing documentation such as phone conversations, instant messages, e-mails, and more.



## Application Analysis

Get an immense depth of application detail in nanoseconds. More than HTTP traffic monitoring, app analysis goes beyond simple response times. It ensures faster MTTR using a trifecta of comprehensive performance metrics: application performance analysis that focuses on end-user experience; transaction analysis that provides extensive detail about the application Layers 5 to 7; and, expert analytics packed with a variety of advanced analysis tools that save critical minutes, hours, even days of troubleshooting time.



## Analysis at the Observer Probe

When developing the Observer Performance Management Platform, Viavi made an architectural leap and virtually eliminated all analysis traffic from the network. This reduces overhead and provides more scalability because you can add more visibility points—without impacting network traffic or the ability to process from a single console. An ideal solution for the world's largest analysis deployments, benefits include a 97% reduction in overhead and bandwidth.

“The Observer Platform Expert Analysis feature lets us quickly isolate and resolve routing and retransmission issues with the e-mail server. Without GigaStor, we could have spent hours trying to replicate the slowdown.”

- Central Du Page Hospital

## Product Options

Choose the right GigaStor for your organization's size and needs. An array of options in an assortment of form factors, network speeds, port counts, and capacities are available.



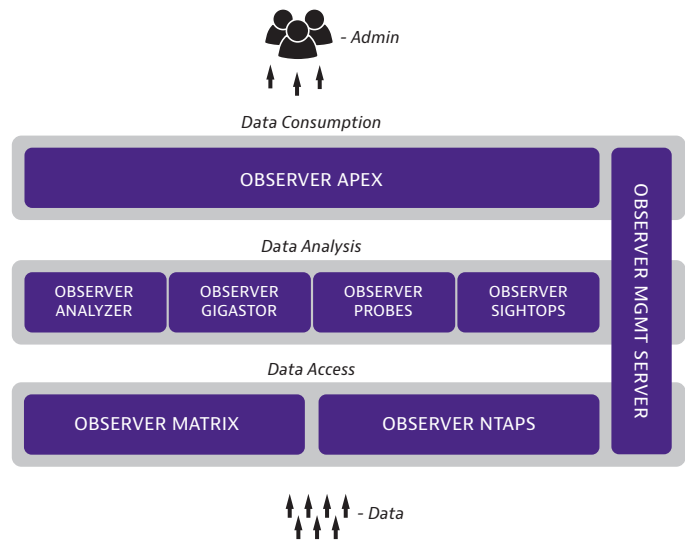
	Software Edition	Portable	Upgradeable	Expandable	10 G Wire Speed
Deployment	Anywhere	Anywhere	Data center Branch facilities Network edge	Data center Server access layer Long-term retention	Data center Core server Access layer
Capacity	250 GB and 1/4/16/32/48/64 TB	4/6/8 TB	4 TB to 48 TB Field upgradeable	48 TB to 1.15 PB Field upgradeable	144/288 TB
Networks	1/10/40 G based on system NIC	1/10/40 G	1/10 G	1/10/40 G	1/10 G
Rack Size	NA	NA	2/5U	5U	5U (3)

## Platform Integration

The Observer Platform is a full-service IT solution for optimizing application and network performance management. Each part of the system fits precisely together with all other components—increasing capabilities, power, and speed. As an integral part of the Observer Platform, GigaStor plays a key role in creating IT management solutions for complex environments and supporting the success of enterprise-wide IT initiatives.

GigaStor specifically works in tandem with Observer Apex™, Observer Analyzer, and Observer SightOps™, as well as third-party systems to provide the following benefits:

- Post-event packet storage to more than a petabyte for fast and thorough problem resolution
- Automatic analysis launch within 3rd-party tools
- Exportation of captures to security devices, compliance tools, and other network analyzers
- Accelerated troubleshooting
- High-speed data captures on fully saturated links for complete data collection
- Comprehensive network health views



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