

# Arbor Sightline with Insight

## Big Data Analytics at the Speed of Thought for Faster Network Insights and Smarter Business Decisions

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### KEY FEATURES & BENEFITS

#### Extends and Enhances Existing Arbor Networks Sightline Deployments

Arbor Sightline's value is extended and enhanced to retain high-fidelity, long-term storage of your annotated raw flow data and to allow multi-dimensional, visual analysis.

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#### Big Data Lake Provides Photographic Memory of Network Traffic

Store all raw network flows, with your customized annotations and metadata for as long as your organization needs to retain them for real-time or historical, unstructured analysis.

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#### Single Pane of Glass for Agile Analysis

Visualize complex queries and casual explorations in graphical and tabular formats from a single UI.

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#### Enhanced Forensic Investigation

Move freely and intuitively through historical data in less time to learn more about past attacks, targets and indicators without being overwhelmed by multi-screen/multi-report process.

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#### New Filter Box Design

Discovering relationship trends in your network traffic becomes easier. Through the display filter, operators view top combinations of multiple facets, and the top values for each facet.

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#### Understand the Value of Your Connectivity

Over-The-Top/Content Visibility reveals ambiguous flows to better convey the meaning to traffic beyond CIDR prefixes or ASN to better understand user's intent.

Arbor Sightline with Insight builds on the industry-leading Arbor Sightline network visibility platform. Sightline with Insight's big data capabilities add the power of annotated raw flow data to create a photographic memory of network traffic data. Applied with new visual analytics tools, operators have the clarity to make smarter and faster inquiries about their network. Leverage Arbor Sightline's unique flow annotations and enrichment to create context by matching this memory to your network topology, customers and traffic patterns – enabling you to conduct agile, multi-dimensional searches of raw and enriched data with unlimited filtering. Sightline with Insight provides the ability to maintain granularity over time, detailed retrospective drill-downs and effortless pivots from graphical to tabular visualizations.

#### Turn Deep Visibility Into Clear Insights. Instantly.

Arbor Sightline with Insight builds upon Arbor Sightline and big data techniques to generate a photographic memory of network traffic activity – allowing deep and wide analytics and enabling new ad-hoc reporting. See the big picture and the details with agile, multi-dimensional searches of raw and enriched data, with annotations and metadata. Take advantage of high-speed big data analytics for faster insights and smarter business decisions.

#### Exploring at the Speed of Thought

Leverage Arbor Sightline's unique flow annotations and enrichment to create context by matching this memory to your network topology, customers and traffic patterns – enabling you to conduct agile, multi-dimensional searches of raw and enriched data with unlimited filtering, the ability to maintain granularity over time, detailed retrospective drill-downs and effortless pivots from graphical to tabular visualizations – all while maintaining state on the event and period of interest.

#### Extend and Enhance the Operational Value of your Arbor Sightline Deployment

Arbor Sightline's value is extended and enhanced to retain high-fidelity, long-term storage of your annotated raw flow data and to allow multi-dimensional, visual analysis. Whether its understanding network traffic to help grow your business or perform enhanced forensic investigation to maintain network uptime, Arbor Sightline with Insight builds on top of the existing Sightline deployment.

#### As Your Network Grows So Must Your Insight

Data center operators and large network operators rely on the Arbor Sightline platform for network-wide visibility, DDoS detection, traffic engineering and advanced peering/transit analysis. Arbor Sightline helps them maintain peak service performance and availability, intelligently expand their network capacity, understand their operational costs and uncover new service opportunities. Arbor Sightline with Insight extends and enhances Arbor Sightline.

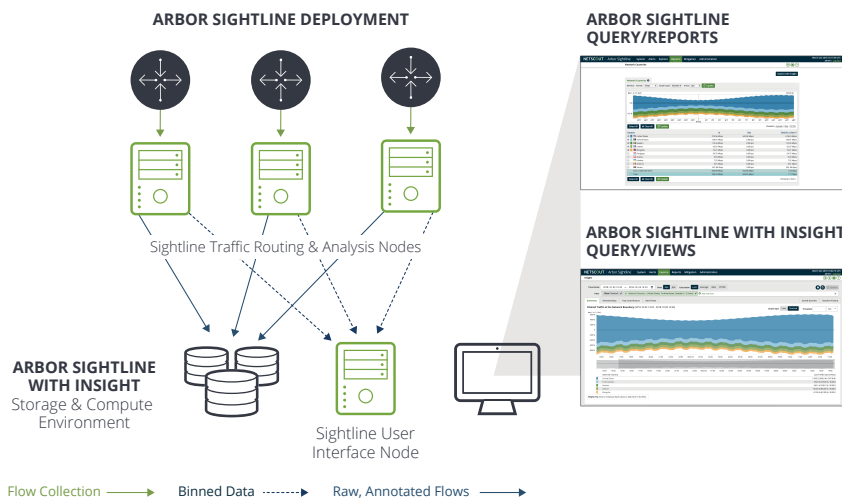
## Arbor Sightline + Arbor Sightline Insight Comparison

Arbor Sightline with Insight is designed to enhance the capabilities and workflows of Arbor Sightline. Together, they enable network operators to gain even more pervasive network visibility and conduct agile, multi-dimensional, visual analysis against a combination of binned and annotated raw flows.

	Reporting	Filtering	Accessing Data
<b>Arbor Sightline</b>	<ul style="list-style-type: none"> <li>Structured Workflow</li> <li>Pre-Configured</li> <li>2-Filter Combinations</li> </ul>	<ul style="list-style-type: none"> <li>Max=2</li> <li>Report Format Dictates Combination</li> <li>Structured Investigations</li> </ul>	<ul style="list-style-type: none"> <li>Global visibility with AIF</li> <li>MO-Dependent Binned</li> <li>Fast Queries, Fast Detection</li> </ul>
<b>Arbor Sightline with Insight</b>	<ul style="list-style-type: none"> <li>Ad-Hoc, Interactive</li> <li>Unlimited Filter Combinations</li> </ul>	<ul style="list-style-type: none"> <li>Unlimited Filter View</li> <li>Unlimited Time Range View</li> <li>Allow Intuitive Combinations</li> </ul>	<ul style="list-style-type: none"> <li>Determined by User's Storage Needs</li> <li>Detailed Queries</li> <li>Raw Flows</li> </ul>

## Arbor Sightline with Insight Transforms Arbor Sightline into a Big Data Lake

Arbor Sightline with Insight is an add-on to an Arbor Sightline deployment. All raw network flows, with annotations and metadata from Arbor Sightline are sent to customer supplied storage for real-time or historical, unstructured highly visual analysis.



## Requirements

- Arbor Sightline v8.1 with Flex Licensing
- Arbor Sightline with Insight is an optional software extension to Arbor Sightline and requires an external database compute and storage infrastructure which is supplied by customer.
- The scale of the required compute/storage hardware environment is a function of:
  - Network flow rates
  - Desired historical flow storage
  - Desired query times and volumes

## SPECIFICATIONS

<b>System</b>	SP-8000 (Insight)
<b>Rack Unit</b>	2 Rack Units (2RU)
<b>Dimensions</b>	3.43 in (87 mm) Height 17.58 in (447 mm) Width 28 in (711 mm) Depth
<b>Weight</b>	Ingest: 40 lbs (18 kg) Storage: 56 lbs (25 kg)
<b>Input Power Requirements (AC)</b>	100-127/ 200-240V AC, 47-63 Hz
<b>Input Connection (AC)</b>	C14
<b>Output Connection (DC)</b>	
<b>Actual Power Draw</b>	Ingest: 400W (max.) / 375W (nom.) Storage: 550W (max.) / 475W (nom.)
<b>Annual Power Consumption (24/ 7)</b>	Ingest: @ 375W, 3285 kWh Storage: @ 475W, 4161 kWh
<b>Heat Dissipation</b>	Ingest: @ 375W, 1280 BTU/ H Storage: @ 475W, 1620 BTU/ H
<b>Operating Temperature</b>	50° to 95°F (10° - 35°C)
<b>Operating Humidity</b>	50% - 80% (non-condensing)

### MTBF

## KEY FEATURES & BENEFITS (CONTINUED)

### Facet Relationship Visual Analysis

Explore binned and annotated raw flows, unstructured, over an unlimited time range for improved display of top-traffic facet queries in a Sankey diagram.

### Traffic Calculations

Explore traffic though set time periods. See your traffic in periods pertaining to the last traffic logged, average of all traffic, maximum of all traffic and the 95th percentile of all traffic.

## WHAT YOU NEED TO KNOW

- Arbor Sightline with Insight uses Big Data techniques to create a photographic memory of your network traffic activity – allowing deep and wide analytics.
- Arbor Sightline's unique flow annotations and enrichment (Managed Objects) create context in Arbor Sightline with Insight by matching this photographic memory to your network topology, customer and traffic patterns.
- Arbor Sightline with Insight enhances network visibility and DDoS attack forensic uses cases – assuring service availability, reduced operational costs and exposure of new service opportunities.
- ATLAS Intelligence Feed for Sightline is a new AIF subscription for Arbor Sightline and Sightline with Insight. It improves the traffic analytics and visibility provided by Arbor Sightline and Sightline with Insight.

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