

# Overwhelmed by data and still in the dark? When Attackers Hide in the Shadows, It's Time to Turn on the Lights!



## Axellio - Storage Innovation for Streaming, Realtime, High-Speed Data Analytics

The exponential growth of data generated on networks and across the Radio Frequency (RF) spectrum overwhelms analysis systems while allowing adversaries to hide their activities. Axellio's mission is to control data overload in time-series analysis systems through innovative storage and distribution solutions. Axellio developed a unique streaming storage software that simultaneously captures, stores, analyzes, and distributes any streaming data far exceeding 100 Gbps, with an extremely small footprint on commercial-off-the-shelf (COTS) hardware.

To manage data overload today, systems often aggregate, summarize, and reduce detailed information and limit collection and storage durations. This creates blind spots that allow adversaries to go undetected.

Axellio redefines high-performance, real-time data collection, storage, distribution, and analysis. Its unique storage software is designed for continuous, simultaneous write-to-disk and read-off-disk sustained at over 100 Gbps without impacting read or write performance, access latency, or throughput.



Targeting high-intensive data analytics applications in cybersecurity, electronic warfare, ISR, and AI-powered applications, Axellio's solutions improve the performance and accuracy of your existing analytical systems, while adding detail for on-demand and historical analysis. The DVR-like capabilities can be applied to any time series data, scaling to address the most demanding data analytics in any form factor.

## Corporate Summary

### Target Market

- Defense and Intelligence Community
- Global Commercial Enterprises

### Target Applications

- Network Cybersecurity
- Radio Frequency Monitoring for SIGINT, ELINT, EW

### Background

- Extensive background in high-speed, high-volume storage systems
- US owned, small business
- Multiple contracts with the US Department of Defense
- DoD Authority to Operate (ATO) on NIPR & SIPR
- ISO 9001:2015 Certified

## Trusted by Fortune 500 and US Military

"Axellio provides us with the visibility needed to accelerate our response."

**Lt. Col. Michael Lind, Army's  
Defensive Cyber Operations**

## Axellio – Groundbreaking Performance

### Any Speed

Scalable speed and processing power that keeps up with real-time capture, processing, and on-demand forensic analysis



### Anytime

Data analysis with the latest insights and learning anytime, even weeks after an event happened – empowering learning and superior reconnaissance

### Anywhere

Software-based, scalable, and flexible architecture for deployment in cloud, virtual, and physical environments - customized for your mission

### Affordably

Based on the latest storage technology combined with COTS hardware to keep scale affordable – to analyze more of your data for accelerated ROI and better visibility

## A New Approach to High-Performance Data Analytics

Axellio’s solutions simultaneously capture, store, analyze, and distribute real-time data in an extremely small footprint – from 1 to over 100 Gbps with no loss:

- > **Protocol Agnostic, Open APIs**

Integrate via open APIs with your existing analysis systems to improve the analysis performance, accuracy, and detail.
- > **Intelligent Data Distribution**

Control both content and speed of the data to ensure your analysis applications are not overwhelmed.
- > **Flexible Form Factor, Hardware Agnostic**

Operate Axellio software on commercial-off-the-shelf (COTS) hardware – to monitor more of your data affordably.

## Accelerate Insights in Diverse Applications

### PacketXpress®

#### Network Cybersecurity

Packet capture, distribution, and analysis that improves the performance, accuracy, and depth of your real-time and forensic analysis:

- Monitor more traffic economically for complete visibility
- Detect sophisticated attacks reliably and prevent missed events under high traffic load
- Analyze, triage, and resolve incidents with complete event details
- Validate countermeasures with actual event traffic before deployment

### SensorXpress™

#### Radio Frequency (RF) Monitoring

Extend your time monitoring the electromagnetic spectrum at the widest instantaneous bandwidth:

- Frequency, protocol, and hardware agnostic
- Record more spectrum for longer time periods
- Collect and store more spectrum data for post-mission analytics
- Dense form factors for disconnected operation during forward tactical missions