

# Complete Data Visibility & Optimized Distribution Turning High-Volume Data into Mission-Ready Intelligence

## The Challenge: Too Much Data, Not Enough Usable Insights

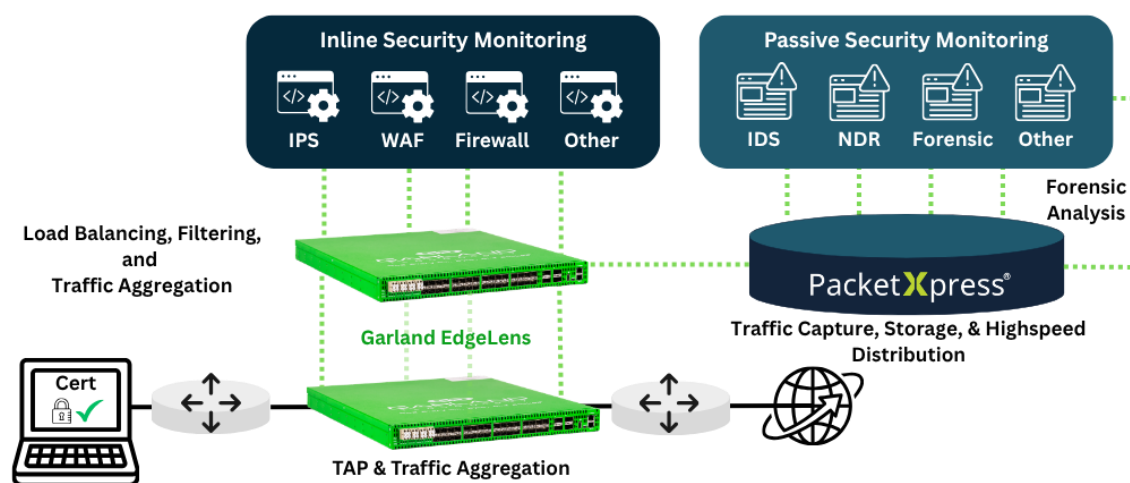
Modern intelligence, cyber, and ISR environments generate massive volumes of packet, telemetry, and sensor data across classified networks, making persistent visibility increasingly difficult to maintain. Traditional collection architectures often struggle to sustain high-throughput ingest during mission operations, resulting in cybersecurity vulnerabilities, incomplete data, delayed analysis, and operational blind spots. For the Intelligence Community, the challenge is no longer simply collecting data but rather retaining full-fidelity mission data and transforming it into actionable intelligence at operational speed.

## The Solution: Capture Everything and Deliver What Matters

Axellio and Garland Technology deliver a modern, intelligence-focused approach that shifts the focus from simply collecting data to making data usable at scale. Instead of overwhelming tools with raw line-rate traffic, our joint solution creates a high-performance pipeline that **captures all traffic while intelligently reducing and optimizing what gets delivered to operational tools and analysts.**

This ensures that security and operations teams have complete visibility, without sacrificing performance or efficiency.

- Capture mission data at up to 200 Gbps through non-intrusive access
- Reduce encrypted, unnecessary, and duplicate traffic before analysis
- Simultaneously deliver optimized data streams at analyst and tool-friendly rates
- Maintain concurrent access to real-time and historical data
- Enable rapid replay, retrospective analysis, and forensic reconstruction across distributed operations



## How It Works

The solution is built as a layered visibility and data pipeline, with each component playing a distinct role:

- 1. Access (Garland Technology)**  
Garland TAPs and EdgeLens® platforms provide reliable, non-intrusive access to network traffic across physical, virtual, and cloud environments.
- 2. Optimize (Axellio + Garland Technology)**  
Traffic is aggregated, filtered, deduplicated, and load balanced to remove noise and prepare it for efficient downstream exploitation.
- 3. Capture & Distribute (Axellio)**  
PacketXpress® ingests traffic at line rate, captures it to disk, reduces unnecessary data, and distributes it at controlled rates.
- 4. Analyze (Your Tool Stack)**  
Cyber, SIGINT, and analytics platforms receive optimized data streams they can process efficiently, while operators retain immediate access to complete packet history for replay, threat hunting, forensic analysis, and retrospective intelligence exploitation.

## The Outcome

Together, Axellio and Garland Technology deliver a differentiated approach to network visibility by combining **lossless access with high-performance data processing** in a single, unified pipeline. Unlike traditional architectures that force tools to operate at full line rate, the joint solution enables a model that **decouples data from compute, reducing infrastructure strain and eliminating redundant processing**. Intelligent pre-ingest filtering paired with high-speed storage and replay optimizes the data flow, lowering total cost while preserving full-fidelity packet history for advanced analytics and forensics. This integration provides scalable, real-time access to complete data, allowing IC organizations to adapt more quickly to evolving mission demands.

## About Us



Axellio is an innovator in network intelligence platforms for the Department of Defense, Intelligence Community, and global security operations. With 20 years of high-speed, high-volume storage expertise, its PacketXpress® platform captures, stores, analyzes, and distributes all network traffic in a compact footprint at over 200 Gbps with no loss.

### Contact us

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See every bit, byte, and packet\*

Garland Technology is an industry leader of IT and OT network solutions for enterprises, critical infrastructures, and government agencies worldwide. Since 2011, Garland Technology has been engineering and manufacturing simple, reliable, and affordable Network TAPs and Network Packet Brokers in Richardson, TX.

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