



Friday AI™

Operational Intelligence for
Higher Education Networks.



Presented by
FRIDAY SYSTEMS INC.

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Executive Summary

Higher education institutions operate some of the most complex and distributed networks of any industry. Large campuses, residence halls, research facilities, athletic venues, and public spaces all rely on a resilient and secure data network to support teaching, research, student life, and campus safety.

Most colleges and universities depend on comprehensive network infrastructure managed through enterprise network management platforms (such as Cisco Catalyst Manager, Aruba Central, or similar solutions) as the foundation of their network operations. While these platforms provide strong visibility and control, higher education IT teams continue to face operational blind spots that impact learning continuity, safety readiness, and institutional confidence.

Friday, with the integrated ClearSight capability, extends existing network management infrastructure by adding AI-driven operational intelligence and surveillance readiness assurance. Together, they enable higher education institutions to operate campus networks more efficiently, proactively, and defensibly.





Core Systems Supported by the Campus Network

University networks are no longer limited to academic offices and data centers. They support a wide range of mission-critical systems, including:

Teaching and Learning Systems

- Learning Management Systems (Canvas, Blackboard, Moodle)
- Lecture capture and classroom video platforms (Panopto, Kaltura)
- Virtual classrooms and collaboration tools (Zoom, Webex, Microsoft Teams)
- Smart classrooms, AV control systems, and digital podiums
- Online testing, assessment, and proctoring platforms

Research and Data Platforms

- High-performance computing (HPC) clusters
- Research databases and institutional data lakes
- Secure data transfer and storage environments
- Cloud-based research and collaboration platforms

Student and Administrative Systems

- Student Information Systems (Banner, PeopleSoft, Workday Student)
- Admissions, enrollment, and financial aid systems
- Housing, dining, and campus services platforms
- Identity and access management (IAM)

Campus Operations and IoT

- IP security and surveillance cameras
- Physical access control systems
- Emergency notification platforms
- Smart lighting, HVAC, and building automation
- Environmental and energy sensors



- Digital signage and campus displays
- Residence hall and guest Wi-Fi networks

Every class session, research project, and safety response ultimately depends on the data network.

Operational Challenges Facing Higher Education IT

Higher education IT teams face a unique combination of pressures:

- Large, geographically distributed campuses
- Seasonal and event-driven traffic spikes
- Limited budgets and staffing constraints
- High expectations from students, faculty, and leadership
- Growing safety and compliance responsibilities

When outages or performance issues occur, they directly impact learning outcomes, research timelines, and campus safety—often placing IT teams under intense scrutiny.

Network Management: A Necessary Foundation

Most higher education institutions leverage enterprise network management solutions as the foundation of their network operations. These platforms typically provide essential capabilities including:

- Network discovery and topology visualization
- Wired and wireless performance monitoring
- Configuration and policy management
- Telemetry collection across campus environments

While these capabilities are foundational, they do not fully address the operational questions campus IT leaders must answer:

- What does normal behavior look like for each building or use case?
- Which issues impact teaching, research, or safety first?
- What changed before a disruption occurred?
- How can incidents be explained clearly to leadership?

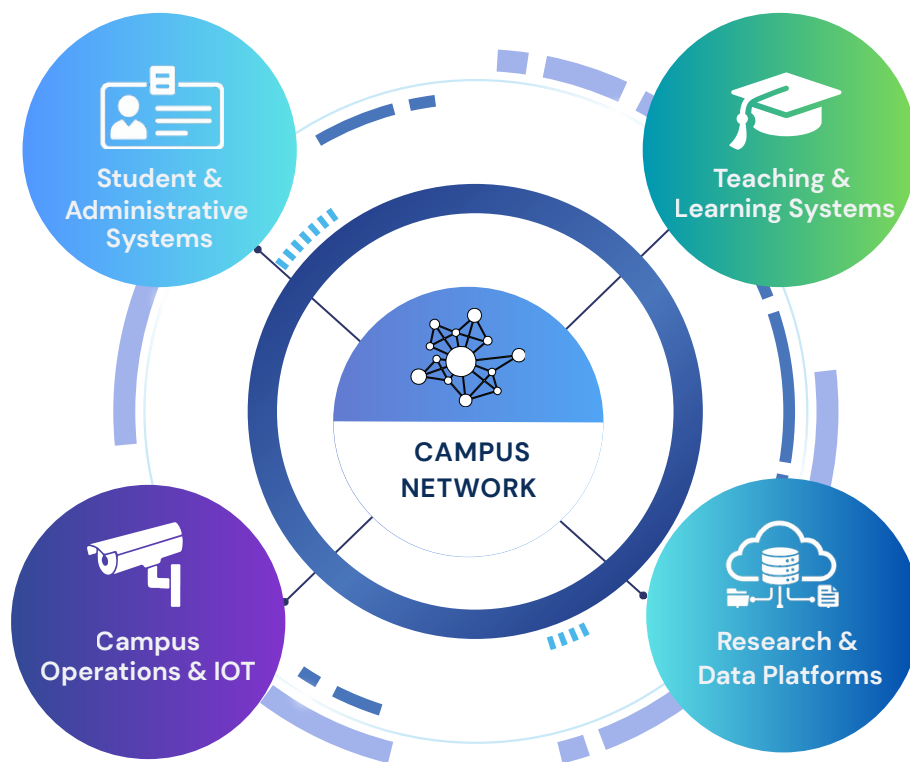


As networks scale, traditional monitoring tools generate large volumes of alerts without sufficient context. This leads to:

- Alert fatigue
- Reactive troubleshooting
- Overreliance on senior engineers
- Difficulty preserving institutional knowledge

Higher education institutions require intelligence, not just visibility.

Core Systems Powered by the Campus Network





Friday: Intelligence Above the Campus Network.

Friday sits above your existing infrastructure and continuously learns how each campus network behaves over time.

Core Capabilities

- AI-driven normalcy modeling by building, campus zone, and use case
- Early detection of meaningful deviations from expected behavior
- Intelligent prioritization based on academic and operational impact
- Accelerated root cause analysis across distributed environments
- Automatic knowledge capture that reduces dependency on tribal expertise.

Friday enables IT teams to move from reactive operations to proactive, outcome-focused network management.

ClearSight: Surveillance Readiness for Campus Safety

Surveillance cameras play a critical role in higher education environments, supporting:

- Campus safety and incident response
- Title IX and conduct investigations
- Facility protection and theft prevention
- Emergency coordination and response
- Legal and administrative review

Traditional monitoring systems often verify only that a camera is online—not that it is producing clear, usable footage.



ClearSight Capabilities

Friday ClearSight is an AI-powered image integrity monitoring capability integrated into the Friday platform.

ClearSight:

- Passively detects RTSP camera streams on the network
- Periodically captures thumbnail images
- Uses machine learning to assess image quality
- Identifies issues such as:
 - Lens obstruction or tampering
 - Blur, focus loss, or distortion
 - Lighting and glare problems
 - Environmental interference
 - Progressive image degradation

ClearSight does not analyze people or behavior. It focuses exclusively on camera readiness and image usability, helping institutions ensure footage is available and defensible when needed.





Institutional Benefits

Together, Friday and ClearSight help higher education institutions:

- Reduce unplanned outages and disruptions
- Improve learning continuity and classroom reliability
- Protect research investments and data integrity
- Strengthen campus safety readiness
- Improve auditability and incident explainability
- Operate large environments without increasing staff

Value for Partners and Resellers

Friday is designed to complement existing infrastructure investments and integrate seamlessly into campus environments.

For resellers and partners, Friday offers:

- Differentiated AI-driven operations intelligence
- Alignment with academic, safety, and administrative priorities
- Rapid deployment and time-to-value
- Expansion opportunities across IT, safety, and facilities teams





Conclusion

Your network management platform provides the foundation for higher education network operations.

Friday adds intelligence.
ClearSight ensures surveillance readiness.

Together, they help institutions operate resilient, safe, and efficient campus networks that support the academic mission.

In higher education, the network is not just infrastructure—it is the backbone of learning, research, and community.

Friday Systems Inc.

Learn more or request a demo at www.fridayai.io.