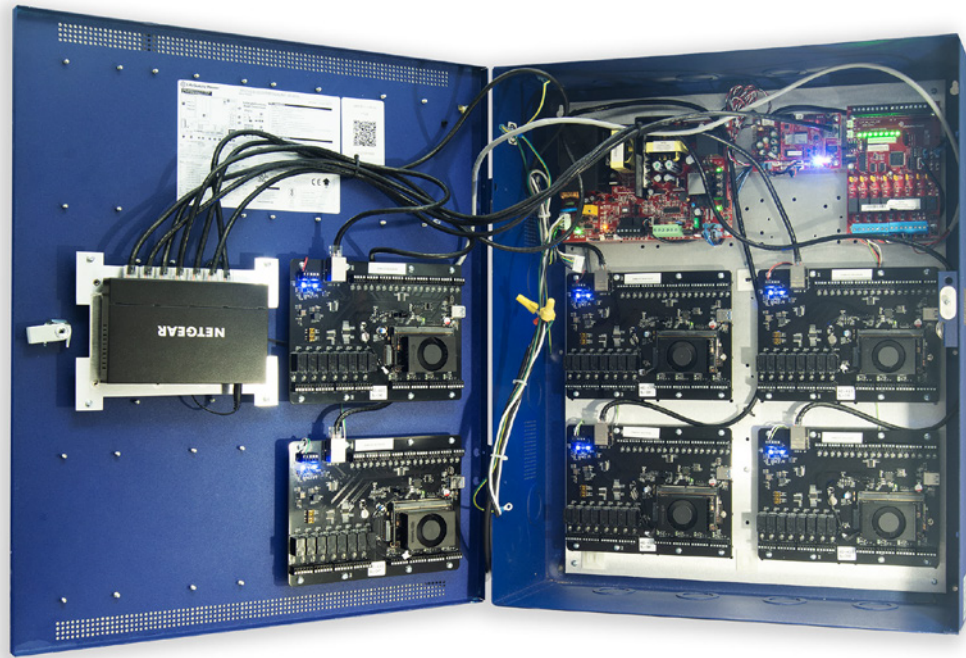# The Case for GPU Based Video and Access Control Hardware Replacing Computer Based NVRs

Achieving Security 5.0 with AI Controllers

Client Overview: Struggling with an outdated and overburdened security system, our client faced significant challenges. Their 11-year-old Network Video Recorder (NVR) was managing 84 cameras, well beyond its recommended capacity of 64. This led to intermittent performance issues and concerns about the reliability and future scalability of their security infrastructure.

Challenges:

1. **Intermittent Performance:** The aging NVR was failing to provide consistent performance, crucial for effective security monitoring.

2. **Aged Infrastructure:** Being over a decade old, the NVR was showing signs of wear and tear, impacting its functionality.

3. **Overtaxed Capacity:** The system was handling 20 cameras more than its intended capacity, straining its capabilities and risking security integrity.

The BluBØX Solution:

BluBØX stepped in with a tailor-made solution - the BluBØX AI Controller Kit. This innovative kit includes 6 AIC Controllers, each equipped with 12 advanced capabilities. Designed to support up to 96 cameras, it not only resolved the immediate overcapacity issue but also provided room for future expansion.

Key Features:

● **Support for 96 Cameras:** Significantly more than the existing system, allowing for scalability and growth.

● **Advanced Capabilities:** Each controller combines 12 major functionalities, offering unparalleled operational efficiency.

● **Real-Time Analytics and Cloud Streaming:** Enhanced data processing and management, ensuring swift, real-time security responses.

Results:

● **Stabilized Performance:** The new system eradicated the intermittent performance issues, providing reliable and continuous security monitoring.

● **Future-Ready Infrastructure:** The installation of the AI Controller Kit has modernized the client's security system, making it robust and adaptable for future technological advancements.

● **Increased Efficiency and Capacity:** The client now effectively manages more cameras with greater efficiency, solidifying their position as a leader in utilizing advanced security technology.

● **Expansion-Ready:** The infrastructure is strategically positioned for future expansion, ensuring readiness for growth when the need arises.

The successful deployment of the BluBØX AI Controller Kit in our client's security infrastructure highlights our unwavering commitment to technological excellence and customer-centric solutions. By not only addressing current challenges but also integrating advanced features for scalability and future growth, we have set a new benchmark in efficient and reliable security systems. At BluBØX, we are dedicated to exceeding expectations and focusing on continuous innovation, ensuring our clients are always at the forefront with security solutions that are not just fit for today, but are pioneering the way for future advancements.