



NFL Stadium Leverages Vaidio AI to Enhance Security, Fan Experience, and Operational Efficiency

Vaidio - Stadium

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We didn't have the experience with a functional AI system before. We had to learn how to take detection alerts and create specific responses and metrics. Now, we track efficiency, response times, incident types, and compliance. Proper use of Vaidio unquestionably helps us achieve a safer environment and a better fan experience..

Stadium Executive

Challenge

A major league sports stadium sought a proactive approach to physical security and enhanced fan experiences while remaining budget-conscious. Measuring return on investment (ROI) for safety and security posed a unique challenge since tangible financial savings from improved safety were difficult to quantify. Alternative video analytics solutions explored by the stadium required extensive infrastructure—40 to 80 compute servers—translating into hardware costs of \$2-\$4 million, an expense that strained their conservative budget.

Solution

After evaluating multiple alternatives, the stadium chose Vaidio's AI Vision Platform for its superior cost efficiency and robust capabilities. A Proof of Concept (POC) demonstrated Vaidio's ability to accurately detect license plates and intrusions while simultaneously proving the solution's professional, knowledgeable, and responsive customer support. Significantly, Vaidio provided comprehensive video analytics coverage across 400 stadium cameras utilizing only 10 servers—a 75% hardware cost reduction compared to competing solutions. The initial deployment focused on critical use cases such as license plate-based access control and real-time security alerts.

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Vaidio was “professional, knowledgeable, and quick to address the few issues that came up”.

Stadium Executive

Results

The implementation of Vaidio has dramatically improved the stadium's security posture and fan experience. The successful POC evolved into a fully-fledged deployment with new analytics applications continuously added, including inventory monitoring, personal protective equipment (PPE) compliance, forklift safety, and truck idle time management.

- Enhanced Safety and Security: Real-time alerts and proactive incident management significantly boosted stadium safety.
- Improved Fan Experience: Reduction of safety incidents and better operational efficiency directly contributed to a superior visitor experience.
- Substantial Cost Savings: Achieved approximately 75% hardware cost savings compared to alternative solutions, enabling incremental investment in additional features and capabilities.