



SIEMENS

Solutions for Sports and Entertainment Venues

Video Surveillance

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Siemens delivers complete infrastructure solutions for major sports and entertainment facilities all over the world. References exist in more than 150 stadiums and arenas.

The use of video surveillance technology is one of the most widely employed security measures in a stadium environment. It is used primarily by security authorities for visual surveillance and for the assessment of situations, such as: crowd congestion, anti-social behavior, illegal ticket or merchandise sales or detecting abandoned objects, particularly in emergency exits etc.

Should a security incident occur, the video stream from the entrance, along with the personal information from the access control system, can provide important evidential material.

In addition, video surveillance can also act as a deterrent resulting in less vandalism, for example, due to the quick response capabilities and reaction time as well as providing visitors with a greater sense of safety.

Answers for infrastructure.



Security Challenges

Video surveillance as a very effective form of security, should be able to deal with numerous challenges in a stadium environment. Our solution:

- Anticipate threats, riots or incidents with real-time analysis to protect event spectators, participants, investments and assets.
- Secure the venue on match and non-match days.
- Overriding operation for authorities.
- Provide a highly available system to store all images and video streams of assigned cameras in areas of special interest.
- Offer perimeter detection and control of crowd/spectator flow of people and traffic.
- Include an IP solution with high resolution cameras that can secure the storage of live video streams.
- Facial recognition software can assist authorities in identifying individuals.
- Comply with international and regional safety and security standards as well as the event's Local Organizing Committee's (LOC) regulations.

Our Solution

Video surveillance systems and intelligent video analytics from Siemens allow operators to monitor events in real time.

More specifically, we offer:

- State-of-the-art IP and HD camera technology with an intelligent storage management system.
- An open and ONVIF compliant platform that is fast and intuitive.
- Distributed intelligent iSCSI recording, DVR/NVR.
- A video management system that can be integrated with the overall security management platform and the mass access control system.
- Dedicated network with sufficient bandwidth for live video streaming.
- Perimeter detection through IR camera equipment and trip wire technology for fence protection.
- Early prevention through object detection and behavioral analysis.
- Post event analysis thanks to securely stored and evaluated live video streams.

Highlights

- Real-time capture and compare functionality to identify anyone on a blacklist and for post event evaluation
- Fast and intuitive system
- Match ticket data with images of the ticket user to provide evidential material
- Open integration possibilities
- Reliable system availability to ensure everything is recorded and securely stored