

SUCCESS STORY

Axis Enhances Security at Sydney Airport

Honeywell Surveillance Solution for Australia's Premier Airport

Mission

As part of a comprehensive upgrade project to meet passenger traffic needs into the next century, Sydney Airport needed to invest in a modern digital surveillance system.

Solution

Employing hundreds of CCTV cameras, the airport management authority used Axis video servers for developing this comprehensive network-integrated closed-circuit solution.

The total system solution developed by Honeywell was fully integrated into the airports existing security, access control and surveillance systems.

Result

The system allows operators to view images and control pan/tilt/zoom cameras from multiple locations in the airport terminal building.

Recorded video sequences allow operators to see and display after a notable event.



Customer

"The Axis video servers connect to over one hundred cameras to provide us with a complete picture of what's going on onsite. Furthermore, it's the only system we have seen that offers us true plug-and-watch functionality."

Russ Lewis, Chief Information Officer, Sydney Airport

World class facility

With some 45,000 international passengers processed in a single day over the Olympic Games period, an ever increasing number of people are now using the facilities of Sydney Airports (Kingsford Smith) international terminal. With so many flying from the nation's premier gateway, this world class facility has recently been the focus of a comprehensive upgrade project aimed at meeting the traffic needs of Sydney Airport well into the next century.

The project completely transformed the international terminal, enabling it to become one of the world's leading airport facilities. Improving total passenger throughput from 4,560 to more than 7,000 passengers per hour, the project initiatives help ensure that the terminal continues to cope with Sydney's popularity as one of the world's most scenic and inviting tourist destinations.

Total security

The total system solution chosen by the airport authority is based on Honeywell's Digital Video Manager™ – a state of the art video surveillance system that together with Axis video products represents the first digital video surveillance system to support integration with enterprise systems.

Sydney Airport fully integrated this leading-edge CCTV solution with their existing Honeywell Enterprise Buildings Integrator (EBI) system which was installed at the site since 1999. It is this system that is used as the integration platform for Sydney Airport as a total security, access control and surveillance system.

This key public site was the first in Australia to implement this locally developed, networked integrated closed-circuit television (CCTV) solution.

Honeywell Digital Video Manager enables us to have a complete picture of what is happening on the site. The Axis video servers connect to over one hundred cameras to provide us with a complete picture of what's going on onsite. Furthermore, it's the only system we have seen that offers us true plug-and-watch functionality, explains Russ Lewis, Chief Information Officer at Sydney Airport.

The Sydney Airport security system employs hundreds of analog cameras for monitoring areas such as check-in counters, car parks and general traffic areas. The analog video signals from strategically placed cameras are fed directly to Axis video servers.

Because Axis video servers have their own built-in Web Server they can be assigned an individual IP address and connect directly to the existing Ethernet network in the terminal building.

Honeywell's Digital Video Manager's scalable nature allows for cameras to be added and moved around the location with ease. Security Operators are able to view images and control camera's PTZ functions from multiple locations at a click of a mouse – enabling them to have a full view of activity taking place within the airport and to take action as and when required.

Saving valuable time

With Honeywell's Digital Video Manager, operators can specify what types of recordings they want to capture and when. Recorded images can include not only the incident, but also what happened immediately before and after. Because the solution enables event-activated, user-activated and scheduled recordings, operators are able to record only the video they need, reducing the collection of redundant and irrelevant images. Additionally, operators can specify how many frames per second they wish to capture for each camera and for specific alarm events.

Honeywell DVM eliminates the need for rows of surveillance video recorders and saves hours of endless searching for the tape for required images, explains Lewis. We are now able to specify how long digital images remain available on the video server, then write to formats such as DAT tapes and CDs for long-term archiving. The storage capacity is vastly improved.

Sydney Airport must be a place where the security of passengers and staff meets the world's best practice standards and exceed public expectations.

Meeting and exceeding the high standards of security expected at the Airport is a constant challenge, says Lewis. We must maintain leading edge technologies that deliver information that is easier to use and faster to obtain, constantly keeping ahead of the security requirements that ensure the physical safety of both people and property. Leveraging new technologies frees up valuable time to concentrate on our core business and ensuring the effectiveness of our security operations. We are consequently planning an upgrade path that maximizes the use of digital surveillance technology in the future.

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