



Motorola Delivers

High Speed Connectivity for Data

- Immediate Information from the main hub to remote locations like, a maintenance hangar is fast and reliable

Wireless Video Surveillance for Security

- Provides security for public parking facilities and other remote areas

Rapid Deployment for Emergency situations

- In the event of an emergency, a high speed data link can be used as a backup for fiber primary service ensuring operations continue without a loss of connectivity

Data Connectivity for Special Events

- High speed video surveillance and data connectivity can be available for special events at the airport, such as dignitaries or media requirements. With these wireless broadband technologies, even rural remote airports can achieve dramatic improvements to their security for the cost of a few months of leased line services

Today's Airport

Airports have always ranked among some of the most secured areas in the world. With modern airports, security coupled with the ability to move data around has taken on new levels of critical importance as airports are facing ever increasing levels of government and public scrutiny. Airports must now provide a level of security previously unimaginable for a public installation, while also maintaining the ability to process and move data around vast geographical areas quickly, accurately and at a service level nearing perfection.

Airports, like all businesses, need to constantly manage and mitigate the costs of daily operations. As security needs and bandwidth demands continue to rise, upgrades need to be managed efficiently and economically.

Mitigating Factors

Airport networks not only have to be cost-effective, reliable and provide data connectivity from the main facility to remote locations, like maintenance hangars or supply depots, but they must do so with no impact on daily operations.

Airports, both large and small, have an increasing need for expanded security. In addition to the need for increased vigilance in passenger screening and security, airports contain millions of dollars of valuable equipment and assets requiring more integrated surveillance technologies to properly secure these facilities. Today, more than a quarter million video surveillance cameras are deployed at airports around the world, with the number expected to grow dramatically in the next few years. While wire-based cameras provide security and coverage from building locations, wireless cameras can be deployed at the exact locations where surveillance is needed most. These areas include, parking facilities, perimeters and obstructed zones where video visibility will yield the highest benefit.

Increased Security and Data Flow at a Lower Cost

Typically, airports find cabling costs for video surveillance services account for up to 60 percent of total project costs. One airport was able to drastically reduce these expenses by deploying a wireless broadband solution able to handle both video surveillance and data on the same network.

In addition to satisfying the airport's need for high-speed data connectivity, the network of cameras met the airport's need for maximum and flexible security. Officials at the airport's various command centers are now able to monitor what is happening throughout airport in real-time, via Motorola's Point-to-Multipoint Wireless Broadband solution.

Another cost-effective Motorola deployment helped a major airline avoid the increasing costs of security and surveillance in their employee parking lots by deploying a unique surveillance system using Motorola's Point-to-Point and Point-to-Multipoint wireless broadband technology. Using 60 existing full-motion cameras, the airline created a networked security system that supported the monitoring of four parking lots from a central location, while enabling interaction with employees who required assistance at a number of remote locations. The Motorola Wireless Broadband solution has been so successful the airline is now considering deploying similar networks at multiple airport facilities around the world.

Increased Security and Data Flow at a Lower Cost

Motorola deployments of Point-to-Point wireless Ethernet bridges and Point-to-Multipoint wireless distribution networks combined with MOTOMESH™ or WLAN wireless access networks allow airport CIOs to determine and design the network best suited to their data, surveillance and cost requirements.



Point-to-Point solutions for high-speed data connectivity between and within buildings and Point-to-Multipoint for cross network distribution coupled with MOTOMESH products effectively extend the airport's network to remote locations such as hangars and supply depots. Combined, these offer a complete and cost-effective network solution for airport managers at a fraction of the cost of wireline network deployments.

Motorola networks currently deployed in airports offer the following benefits:

- High-speed connectivity for information relay between the main hub and remote locations
- Wireless video surveillance at public facilities providing 24/7 security for airport users
- High-speed backup for fiber-based networks, allowing operations to continue uninterrupted in emergencies
- Video surveillance of perimeter locations enables security teams the ability to assess situations and respond appropriately
- High-speed video surveillance and data connectivity for special events such as dignitaries' visits, media requirements and other special needs

About Motorola Wireless Broadband

Motorola's comprehensive portfolio of reliable and cost-effective wireless broadband solutions together with industry leading WLAN solutions provide and extend coverage both indoors and outdoors. The Motorola Wireless Broadband portfolio offers high-speed Point-to-Point, Point-to-Multipoint, Mesh, Wi-Fi and WiMAX networks that support data, voice and video communications, enabling a broad range of fixed and mobile applications for public and private systems. With Motorola's innovative software solutions, customers can design, deploy and manage a broadband network, maximizing uptime and reliability while lowering installation costs.



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