

## El Dorado International Airport bolsters security with more than 700 cameras.

Colombia's most important air terminal integrates video surveillance, fire safety and biometric security access reader systems.



**Organization:**

Opain S.A. (El Dorado International Airport)

**Location:**

Bogotá, Colombia

**Industry segment:**

Transportation

**Application:**

Airport safety and security

**Axis partner:**

Johnson Controls

### Mission

El Dorado International Airport, retaining its original location in Bogotá since opening in the 1950s, has become one of the most active airports in the world, handling more than 22 million passengers and 650,000 tons of cargo per year.

Growth in airport traffic there has resulted in a decision by Opain, SA, the airport's administrative authority, to develop a project that will create the largest, most modern transportation facility in Latin America. The project calls for the inclusion of a state-of-the-art video surveillance system offering improved security for passengers, cargo, employees and all of the airport's assets.

### Solution

Given its experience with this type of project, Johnson Controls, an Axis partner, was chosen to install Metasys software to provide integrated control of video surveillance, fire and security access control systems in one platform together with existing ones for the monitoring of luggage areas, hallways, staircases, elevators, etc.

During the first phases of the project, more than 700 Axis network cameras were installed including AXIS Q6035-E, AXIS Q6032 and AXIS P3343, along with AXIS M7001 Video Encoder. These cameras have significantly improved the tracking of moving images, eliminated blurred edges, and they provide video in a secure digital format.

### Result

The security team uses the video analysis tool for intelligent monitoring of the airport. As a result of great improvement gained from the first phases of the project, the implementation of further stages using Axis cameras is now being considered.

**“The contribution of Axis camera technology is very important in airport operations considering the reliability, security and availability of video. It has allowed us to make decisions about operations and security in a timely manner and in compliance with our operating standards.”**

Susana Vargas Herrán, Director of Communications, Opain S.A.

### Video analysis

All of the cameras store 15 days worth of 24-hour video coverage. This preserves the recordings and allows access to the video in real time to provide immediate feedback on situations.

“It allows us to perform video analysis, a very useful tool in security work”, explains Susana Vargas Herrán, Director of Communications at Opain.

“Our experience with Axis cameras has been very positive. Features like progressive scan mode and data entry significantly improve the quality of moving images, eliminating blurred edges with no loss of signal. And it transfers the video in a secure manner by encrypting data”, said Susana.

### Welcome to Colombia

Julia Piedad Gomez, Director of Technology at Opain, the airport’s administrative authority, says that the integration of so many varied systems was designed to improve traveler experience and bring El Dorado International up to the standards of a world-class airport.

“For many international passengers, El Dorado will be their first exposure not only to Colombia, but to South America”, she said. “We want our visitors to benefit from the high level of technology being used for their comfort, convenience and security. This terminal is a symbol of the growing importance of our country in the global economy, and especially in the Americas.”



The remodeling of El Dorado Airport and the expansion of facilities and runways has been made possible due to an approximately \$4 million investment, and it has gained the support of government entities.