

## Viracopos Airport tightens security with high definition cameras.

The installation of 1004 HDTV Axis cameras makes Viracopos airport safer for passengers and employees.



**Organization:**  
Viracopos International Airport

**Location:**  
Campinas, Brazil

**Industry segment:**  
Transportation

**Application:**  
Airport safety and security

**Axis partners:**  
Aimetis, Innercalc

### Mission

Viracopos International Airport, located in the Metropolitan Region of Campinas, one of the most important technology centers in Brazil, is the second-largest cargo terminal in Brazil, and the number of passengers this facility serves is also growing every year. Since its privatization, the airport has undergone a series of improvements under the management of the airport's operator Aeroportos Brasil Viracopos. The operator is going to invest US \$3.8 billion over its 30-year concession agreement, transforming it into the largest and most modern airport in Latin America. This video surveillance project was needed to prepare the airport to handle this situation.

### Solution

The project involved the installation of 1,004 Axis HDTV network cameras, including the vandal-resistant AXIS M3004-V and AXIS P3364-V. The internal and external versions of PTZ camera AXIS Q6034 were also used.

Some of these cameras were used together with software from Axis partner Aimetis for license plate recognition. Another set of equipment has been used with software provided by Innercalc, also an Axis partner, to enable facial recognition of people in the airport terminal.

### Result

The project enhanced security throughout the airport premises, using an advanced video surveillance solution that allows for the identification of suspects even before boarding.

**“Viracopos Airport invests a lot and spares no effort in implementing improvements to make the traveling experience through Viracopos better and better.”**

**Luiz Alberto Küster, CEO of Aeroportos Brasil Viracopos.**

### Critical operation

In 2013, Viracopos was voted best airport in Brazil, according to a survey of passengers conducted by the Civil Aviation Office at the 15 airports used for the 2014 World Cup.

As well as being one of the largest airports in the country, Viracopos is the largest air cargo center in South America in terms of surface area. Such an extensive area allocated to a critical application requires reliable security throughout the airport premises.

Events need to be identified in any situation; so some of the cameras are equipped with a technology called Lightfinder, which allows color images to be recorded even in the dark. The equipment that was installed also includes cameras using Wide Dynamic Range (WDR) technology, with Dynamic Capture, which performs immediate light compensation in high-contrast scenarios.

To ensure full access to images, even if someone tries to remove them, the AXIS M3004-V and AXIS P3364-V network cameras are vandal- and dust-proof, and can withstand impacts of up to 1 ton. PTZ cameras have also been installed, in this case the AXIS Q6034 and AXIS Q6034-E, to ensure image quality even in low-light conditions.

One of the project's goals was to allow identification of suspects even before boarding. The images are cross-checked against a Federal Police database. When the image of a registered suspect matches a frame captured by the camera, an alarm goes off.

Some of the cameras are used in conjunction with software from Axis partner Aimetis for license plate recognition. In addition, the other set of equipment is used with software provided by Innercalc, also an Axis partner, for facial recognition of people in the airport terminal.

