

## CCR resolves the problem of analog cameras with encoders. The group of concessionary companies creates a shared access model for images digitalized with Axis video encoders.



Organization:  
CCR Group

Location:  
São Paulo, Brazil

Industry segment:  
Transportation

Application:  
Safety and security,  
traffic management

Axis partners:  
CMA Telecom, ISS

### Mission

CCR Group, one of the largest private infrastructure groups in Latin America, has a strong presence in the highway concession sector. The surveillance model of the highways was not considered satisfactory. At that time, the security provided applied only to property. "The reliability was very poor," recalled Wanderlei Jorge, manager of the existing project and responsible for the implementation of a new project.

### Solution

CCR Group created a new video surveillance system for concessionary companies at 6 points: AutoBAAn, Nova-Dutra, RodoNorte, Ponte Rio-Niterói, RodoAnel Oeste and ViaOeste. Wanderlei Jorge passed these specificities on to CMA Telecom, an integrator developing customized solutions with cutting edge technologies. The software chosen to manage the images was SecurOS, from Intelligent Security Systems – ISS.

Around 50 AXIS 241Q Video Encoders were installed with the analog cameras of the Via Oeste and the AXIS Q7401 model, with H.264 compression technology, appeared on the west section of the RodoAnel. Considering all the highways together, the project includes approximately 800 cameras.

### Result

The CMA project for CCR is the largest in Latin America for highway surveillance. "We adopted 30 frame per second recording for up to three days of storage. During this period, I can perform more detailed analysis, check a license plate, the face of a person or even discover the cause of an accident," explains Wanderlei Jorge.

"The main differences in this project are the simple operation of the system, which can provide the same image to various operators, as well as the option to record in HDTV quality or low resolution for different periods of up to five years."

Wanderlei Jorge, manager of the CCR Group project.

### Videowall customization

The integration of the ISS software with the Barco videowall was a further customization completed for CCR. The operators in the ViaOeste control room view the images in HDTV quality on a panel formed by 14 cubes, each measuring 70 inches, arranged in 2 rows. Similar videowalls were also arranged on the NovaDutra and the AutoBA.

One of the biggest advantages of this configuration is the ability to view images from the cameras not only on the videowall but on any monitor in the control room. Accordingly, the operators as well as the other professionals in the central office, such as the telephone attendants, can access the images from the nearest screens and then pass on more precise information, such as the exact point where a motorist is waiting for assistance.

The team uses the images as a tool to improve assistance to the user, in a configuration that is unprecedented in terms of highway management. Soon, it will also be possible to superimpose layouts on the videowall.

In addition, for specific events defined by the supervisor, like scenes that show accidents or that may be requested later by the courts, the system stores videos for up to five years using an IBM storage system.

