

Project reference Toll Plazas, Mexico

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Siqura is part of TKH Security Solutions, a division of the TKH Group. TKH Security Solutions offers a wide range of systems for access control, surveillance, intrusion detection and video management.



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Toll Plazas, Mexico

Anyone who has ever driven a car in Acapulco or Mexico City will assure you it is not for the faint of heart. But if you leave the city for a little road trip, you will find that driving in Mexico can actually be a very pleasant experience. Mexico's toll roads are well-maintained, there are plenty of service areas and, to top it off, you and your car are automatically insured when you pass the toll booths.

20,000  vehicles per day

 361 km
motorway

51  lanes
cameras



End user

Capufe (Caminos y Puentes Federales de Ingresos y Servicios Conexos), Mexico

Systems integrator

Prosis (Proyectos y Sistemas Informáticos S.A. de C.V.)

Technology

Hybrid video network

Market

Transportation - Traffic

Challenge

Implementing a video surveillance solution that would seamlessly integrate with Capufe's toll collection system

Solution

Siquira's OSA- and ONVIF-compliant surveillance cameras

The challenge

Capufe, short for Caminos y Puentes Federales, is a public body responsible for Mexico's highways and bridges. For the sixteen toll plazas on the Mexico City-Acapulco highway and the enormous 51-lane La Marquesa toll plaza just west of the capital, Capufe needed a video surveillance solution that would complement its newly installed toll collection system. Integration with a third-party video management system was a key requirement, as was the ability to display text information within video streams for verification purposes.

The solution

Together with systems integrator Prosis, Siquira decided to furnish the toll booths with the BC620WDR and IFD820V1IR. The former is an award-winning network box camera, the latter a high-definition fixed-dome camera with a built-in infrared illuminator. Both feature automatic day/night functionality, backlight compensation and wide dynamic range.

Incorporating the cameras into the IProNet video management system and GEA toll collection system proved straightforward. Like all Siquira hardware, the BC620WDR and IFD820V1IR are based on Siquira's Open Streaming Architecture (OSA) API, a set of open communication protocols. They are also fully compliant with ONVIF Profile S, a widely used industry standard ensuring trouble-free interoperability between products of different makes. Moreover, the BC620WDR features an additional analogue output for easy integration into hybrid environments.

Thanks to Siquira's open network technology, Capufe is now able to quickly serve its customers and automatically turn the accompanying video streams into detailed audit reports.