



# SECURITY

## *In The* FAST LANE

### ***Pelco Chosen for Formula 1 Grand Prix of Europe***

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**In August 2008, the city of Valencia, Spain, hosted the Formula 1 Grand Prix. Because an event of this magnitude required the highest level of security for both racers and fans alike, it was clear to city officials that only a top-of-the-line system with real-time recording capabilities would provide the detailed and accurate video demanded by race officials and event organizers.**

**T**his being a mission-critical application, Valmor Sport, the company that holds all rights to Formula 1 racing events, awarded the project (including design and supervision of the event) to the consulting group Security & Telecom Systems. And the chosen integrator and installing company for this prestigious event was Portillo Telecom, a long-time user of Pelco equipment and technology.

Faced with the complexity of this project, Endura was the logical solution due to the system's ability to capture, manage and display high-resolution images in real time while taking advantage of a distributed architecture for added flexibility.



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measures) were installed on a single pole. The quality of the overall system and the video was second to none. "The race judges were very impressed, especially when they were able to see a close-up of a 2 Euro coin at a distance of 80 meters from the camera through a monitor in the control room," said Patxi Salamanca, Security & Telecom Systems manager. "The Pelco equipment performed exactly as expected. Since we were already familiar with its abilities, I was not surprised by its excellent performance."

By using the Endura Video System, both overall facility security as well as the race itself was monitored using the same network, greatly enhancing the success of the installation and directly contributing to significant cost savings. The video security system met all the requirements of Formula 1 racing and local authorities and is the first completely digital solution of this type used. State security enforcement agents also benefited from the Pelco video security system by using the equipment for real-time analysis and control of pedestrian and vehicular traffic, entry and exit points, and the identification of possible intruders and suspicious items.



Importantly, the Pelco solution is a mobile one, able to follow the F1 racing circuit as it travels across the continent. Its next stop is the Valencia Community Circuit – Ricardo Tormo de Cheste, where it will be similarly used. And, of course, next year, it will be brought back to Valencia to cover the 2009 European Grand Prix.

### A System Built for Speed

The Urban Circuit of Valencia features more than 150 Pelco cameras, connected to the control center through the use of fiber optic cabling. The installation includes a combination of approximately 100 Spectra IV 35x dome systems and Esprit integrated positioning systems. The Pelco Spectra IV series outdoor domes are equipped with a high-resolution interchangeable black/white camera, featuring low-light technology and 35x optical and 16x digital zooms. And because of the unique aspects of the installation, Pelco and Portillo designed a special mount in which two domes (one for track control and the other for security

All of the cameras view, transmit, and record at the same time to provide the control room with maximum performance. An interactive map on one of the screens, with a diagram of the area, assisted in the selection of the circuit zone that needed to be observed and created a common graphic interface for all the systems.

For the monitoring of the race, a 20-square-meter video wall was designed, comprised of 40 Pelco DLP monitors. Delivering high-resolution images and the ability to view multiple cameras on a single monitor, their use simplified the installation while maximizing and taking advantage of the limited space available.

