

# PETCO Park Hits a Homerun with New CCTV Solution



**BOSCH**

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## Industry:

Public Places

## End User:

### PETCO Park

combines the best sight lines in baseball with breathtaking views of San Diego. Architecturally magnificent, it celebrates the sea, the sky, the natural beauty, cultural diversity and unique spirit of the San Diego area. Innovative design features evoke the timeless traditions of baseball in an intimate setting, with state-of-the-art fan amenities to suit every taste and budget.

## Business Objective:

Following a physical fight among fans during the 2004 San Diego Padres playoff season, personnel at PETCO Park knew they had to improve ballpark security. The existing VHS-based analog CCTV system could not provide real-time recording and the monitoring staff had limited ability to hone in on security concerns with only a few PTZ cameras installed.

## Solution:

Now, a hybrid analog and IP surveillance system uses some of the existing fixed black-and-white cameras while incorporating new color PTZ cameras in strategic locations. More than 75 analog cameras capture video of the ballpark exterior and restaurant, as well as the stadium seating and standing areas, clubhouse, suites, and the Padres Team Store. Bosch VIP X1600 multi-channel encoders convert the analog camera signals into digital format and stream directly to five RAID arrays - each recording up to six terabytes of audio and video. The RAID arrays are directly attached to the encoders, so recorded video does not flow across the network.

An Ethernet cable connects each of the multi-channel encoders to the next. The fifth encoder is connected to a network switch. This design allows security personnel at PETCO Park to use a Web browser to view both live and recorded video.

Ballpark personnel review video 24 hours a day using a bank of



PETCO Park hits a homerun with a new Bosch CCTV solution.

13 monitors in the stadium's security command center. With the new CCTV solution in place, the ballpark's security team can view live and recorded video, identify, zoom in on and record events that raise security concerns.

On game days, personnel in the ballpark's event management center above centerfield use an additional five monitors and a joystick command board for surveillance of the stadium's interior.

## Result:

"With the digital recording system, we can provide all of the stadium's decision makers with a clear view of the activity in the ballpark through the event command center monitors," says Ken Kawachi, director of security and transportation for the Padres. "Key personnel can quickly review any security or life safety concerns on the monitors and communicate appropriate directions to their personnel patrolling the stadium. We are a much more streamlined operation."

Anything viewed on the monitors in the event management center is recorded centrally. The direct attached storage ensures that this video is not lost, even if there is a network outage.

## Installed by:

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