

CBS Studio Center Implements Hybrid Analog/IP Video Solution



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Industry:

Commercial

End User:

CBS Studio Center

is a full service facility with 18 sound stages and many exterior locations, including three permanent sets -- a New York street, Central Park and a residential street. There are 17 office buildings and 20 bungalows comprising approximately 180,000 square feet of production office space. In addition to 201 dedicated and more than 60 portable dressing rooms, the studio center has hair and makeup rooms, green rooms and eight multi-purpose rooms.

Business Objective:

CBS Studio Center needed to expand its video surveillance system to keep a close watch over the facility's 40 acres in Studio City, California. The security staff sought to incorporate IP video recording capabilities without abandoning their existing investment in analog cameras.

CBS Studio Center also required the system to be portable and flexible to adapt to future changes or system expansion.

Solution:

More than 150 AutoDome and Dinion cameras capture video at CBS Studio Center. To meet the facility's demanding requirements for image quality, the cameras stream high resolution video to VideoJet 8008 multi-channel encoders, which convert multiple analog camera signals into digital format and transmit them across CBS Studio Center's network.

At the facility's new all-digital, high-definition Broadcast Center, which houses two 5,000 square foot newsroom sound stages and 600 employees, the director of security and chief of security use PC workstations with CCTV keyboards for live viewing and to playback digital video. VIP XD decoders also send video to a monitor wall in the facility's command center.

Video is recorded with a centralized NVR. The VideoJet 8008's internal hard disks can also record video at the network's edge. This design ensures that video is not lost even if the network fails or there is downtime for scheduled maintenance.



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If the network fails, security personnel could retrieve video recorded by the VideoJet 8008s for viewing once the network is restored.

The hybrid analog and IP solution enables CBS Studio Center to use the existing analog cameras already installed, while benefiting from the flexibility of an IP recording infrastructure.

Result:

"Our security command center is a small room that was built when we had 10 cameras covering the entire property. Our facility has grown significantly and the amount of equipment and cabling has multiplied -- quickly filling the command center to capacity," says Rob Haggard, security system administrator, CBS Studio Center. "With the Bosch IP-based recording system, we can have equipment located in the field and in our central MIS closets, which allows us to reclaim space for other storage."

The new hybrid system also allows CBS Studio Center to add cameras more easily, an important feature as the facility plans to install 15 additional cameras.

Bosch Security Systems, Inc.

130 Perinton Parkway
Fairport, NY 14450
800-289-0096
www.boschsecurity.us