

case study



Honeywell Video Technology Helps Protect Largest Privately-Funded Construction Project in U.S. History

The massive new CityCenter complex – developed by MGM MIRAGE and the Infinity World Development Corp, a subsidiary of Dubai World – is the largest privately-funded construction project in U.S. history. The 18-million square-foot facility spreads over 67 acres and includes the ARIA Resort and Casino, which hosts more than 4,000 hotel rooms, 10 bars and lounges, and a 150,000 square-foot gaming space with 145 table games and 1,940 server-based slot machines.

Honeywell

The Situation:

The CityCenter installation integrated Honeywell's newest IP video technology with analog video and the facility's IT systems. All the technology is managed under Honeywell's MAXPRO® VMS video management system. The single software platform allows personnel to quickly retrieve and view video from any camera to pinpoint and resolve issues as they arise.

The Honeywell video system, installed by integrator North American Video, uses equipment such as 360 degree IP cameras to cover the casino floor, as well as megapixel cameras that can capture clear identification shots of people traveling between different areas. Additionally, the surveillance system captures data from CityCenter's parking and retail locations.

ARIA is also using Honeywell's IDM (Integrated Data Manager) that ties data from point-of-sales systems, slot machines and cash counters back to MAXPRO VMS. The integrated system allows security personnel to review cash handling from anywhere within the facility, and conduct both post-forensic and real-time analysis. IDM ties cash register transaction data directly to the associated video to allow an "after the fact" forensic analysis or live real time monitoring of transactions.

The Solution:

From an installation perspective, the system's network configuration saves hardware space, as well as time and money on equipment and labor, because it eliminates the need for transmitters and receivers.

ARIA is in the process of implementing Honeywell's new HD3MDIP fixed mini-dome network camera, which is ideal for casino floors due to its superior picture quality and ability to capture high-definition images in

variable conditions, including low lighting. It can also reduce the number of cameras needed to monitor table games. "The amazing thing about these cameras is the image quality and the low light level performance," said surveillance director Ted Whiting. "Most casinos are quite dark, which has always been an issue for CCTV systems. The Honeywell HD3MDIP handles low light better than any camera I have ever seen, and the resolution is fantastic. Instead of using two cameras to cover table games with suit-dependant payouts, we can now use a single camera and read every card," he said.

The Benefits:

While any upgrade from an analog system to a digital system will show immediate benefits in a surveillance department's efficiency, this system has given ARIA some successes that would have been impossible with a less robust digital CCTV system.

Whiting shares a dramatic example: "One day Surveillance received a call that a slot machine had been vandalized. We reviewed the video and saw a person punch the machine. We saw him walking away from the damaged machine with 360 degree cameras, and we kept following him until he crossed a choke point and we got a clear ID shot of him. Next, we showed the ID shot to supervisors on the casino floor, one of



whom said he had just passed the guy at a craps table. One of the PTZ cameras found the suspect as he was walking toward the exit, so we were able to guide Security to the suspect and detain him without incident. The vandal was arrested and will make restitution for the property he damaged."

With a standard CCTV system the casino could have documented the incident, but the vandal would have gotten away. MAXPRO VMS let them retrieve and review video quickly from any camera, regardless of camera type or manufacturer, so they were able to apprehend the suspect.

The Products:



MAXPRO® VMS



HD3MDIP IP Cameras



IDM (Integrated Data Manager)

For more information:

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L/MGMCCCS/D
July 2010
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