

Genius Vision's Surveillance System in New York Newark Airport for

Continental Airlines



Continental Airlines (NYSE: CAL) is the fourth largest airline in the U.S., offering more than 2,000 departures daily to 126 domestic and 89 international destinations. Operating hubs in New York, Houston, Cleveland and Guam, Continental serves more international cities than any other U.S. carrier, including extensive service throughout the Americas, Europe and Asia. The implementation site was Newark International Airport (EWR) in New Jersey, one of the three major airports to facilitate the flight transportation for the New York City Metropolitan Area. Post 9/11, all airliners at the airport had been requested to enhance their security examination and management of their own areas in the airport.

Situation

The project meant integrating:

- 528 Cameras (100 PTZ cameras / 428 Fix cameras)
- AD Switch will provide 11 serial ports for GVD Sm@rtNode
- Ccure800 Access Control System: 240 Doors/ 700 Inputs/ 300 Outputs
- Loronix Video Server - 16x M32, 1x M16
- 43 AD Live Workstation running GVD Client
- 7 GVD integration workstation running GVD Client



Solution



Continental Airlines security enhancement requirements included integrating various security systems such as CCTV, video switch, and access control system. The security professionals at the airport needed to access integrated security information, remotely or locally, from any workstation on the private network - all needs that could be met by GVD's FacilitySm@rt. It greatly simplified the security operation enabling the security professionals to access information on a single graphic interface. The implementation site was Newark International Airport, Terminal C.

System Architecture

This project included 5 interface systems:

1. Integration Application Server/Sm@rtNode: It hosts the GVD FacilitySm@rt web page and services, and provides the software interface to AD switcher and Ccure800 server.
2. AD Application Server/Sm@rtNode: It hosts the GVD FacilitySm@rt web page for AD switcher workstation, and it provides the software interface to AD switcher
3. Loronix Master Server: It provides the interface to Loronix digital video system
4. GVD GUI Workstations (7 units): Provide the integrated GUI functions for AD switcher, Loronix and Ccure800
5. GVD AD Switch Workstations (43 units): Provide a map/camera interface to AD switcher operator

System Features

1. Intuitive Mapping Graphical Interface

FacilitySm@rt's easy to use site map interface is extremely intuitive. Icons of devices, like cameras, doors, and motion sensors, are displayed right on the screen. One click on a device icon brings up real-time information associated with the selected device. Remote device control is exercised through clicking on device icons, whether it is directing PTZ cameras, locking doors, or turning on lights. FacilitySm@rt's site map interface enables users to visualize the location of each device and proves to be the most effective user interface.

2. Integrated Alarm Summary and Verification

The FacilitySm@rt alarm summary page displays overall alarm information on one page, including alarm location and site map, real-time video, pre and post alarm video clips, alarm response procedures and emergency alarm notification. Users may view all information at one glance without switching from one security system to another. FacilitySm@rt ensures a timely and professional response to each alarm.

3. Remote Monitoring and Control

FacilitySm@rt's convenience and global accessibility allows authorized users to review and respond anywhere, anytime. No need to install special software.

About Continental Airlines www.continental.com

Continental Airlines (NYSE: CAL) is a United States certificated air carrier. Based in Houston, Texas, it is the fourth-largest airline in the U.S. and the fifth-largest in the world by revenue passenger miles. Continental operates to destinations throughout the U.S., Canada, Latin America, Europe, and the Asia-Pacific region. It has more than 3,000 daily departures, serving 151 domestic and 120 international destinations and has 42,200 employees.

About Genius Vision Digital www.gvdigital.com

Genius Vision Digital (GVD) is a company based in Taipei with cutting edge technologies. GVD brings the next generation of IP surveillance systems for the upcoming “Full High Definition” age by providing robust video storage and management systems for the mission critical applications in Banking, Hospital, Retailing, Government, and Gaming etc.

