



Case Study: OmniTrans Transit Center in San Bernardino CA

Challenge: OmniTrans, the public transit agency serving the San Bernardino Valley, serves some 16 million passengers each year. When the agency needed a new Transit Center to serve as a nexus for public transit options, they chose HDR Inc. to lead a team of professionals to make their vision into reality. And HDR chose PAC Engineering to provide the Security Camera (CCTV) design to assure safety and protection for the new facility, passengers and staff.

Solution: Working with HDR architects and engineers, OmniTrans' project managers, security staff and IT department, PAC Engineering designed a CCTV system to cover exterior and interior areas with state-of-the-art digital cameras which is monitored full time by on-site security officers. All cameras are recorded in digital format on multiple Video Management Servers. Any event can be copied and given to local authorities for evaluation and legal forensic evidence that can be used for police investigation and court cases if needed.

The camera system includes 41 cameras and 2 Video Management Servers with sufficient storage for 30 days. The system is connected via fiber to the nearby SBCTA Passenger Rail Transit Center and the OmniTrans Headquarters miles away. The cameras can be controlled and monitored at any of the 3 sites.

Design, commissioning and training was provided by PAC Engineering.

Technologies:

- Arecont 20 Megapixel 180 Panoramic IP Cameras
- Arecont 5 Megapixel IP Fixed Cameras with IRD and Varifocal Lens
- Sony HD PTZ (Pan/Tilt/Zoom) Cameras
- Cisco Fiber and PoE Network Switches
- Black Box Media Converters
- Black Box "Hardened" PoE PSE Switches
- ExacqVision IP Video Management Servers and Storage Systems
- APC Uninterrupted Power Supplies (UPS)
- Samsung and NEC monitors
- Middle Atlantic Equipment Racks and Mounting Solutions
- Middle Atlantic Pull-Out Monitor and Keyboard
- L COM Weather Proof Ventilated Enclosures
- Dell Computers
- SonicWall Secured Firewall/Threat Management Appliance