



Plant Security

A 400,000 square foot Midwestern meat packing plant is using IVC video for their plant security, both within and outside the facility. Their requirements included indoor cameras for monitoring entrances, exits, and corridors, outside cameras for monitoring parking lots and a water treatment area, and access control for entrances to the plant.

is the primary location for monitoring all cameras. At that location, an IVC Relay Server records all cameras 24/7, and provides access to and control of all cameras over the LAN. A bank of four large plasma displays are connected to PCs running IVC View Station software. This enables simultaneous viewing of all cameras. In addition, the outside PTZ cameras are programmed through the View Station to continually tour a series of preset views.



"Cost and time for installation was significantly reduced using IP cameras. This enabled use of power over Ethernet for indoor cameras and wireless LANs for the cameras that reduced need for cabling and trenching."

Within the plant, there is a need for a high degree of security to prevent tampering with the processed meat products, and to avoid spread of potential contaminants from the side of the plant where incoming cattle are slaughtered to the clean areas where meat is processed. More than 30 fixed cameras were installed in corridors and at doors within the plant. IVC cameras were selected because of their excellent image quality in a variety of indoor lighting conditions, their low cost, and their ability to use power over Ethernet. The power-over-Ethernet significantly reduced installation cost and time, as did the ability to connect the cameras to the LAN already in place throughout the building.

The outdoor cameras were primarily pan-tilt-zoom cameras. They were mounted on the roofs of buildings and on poles approximately 50 feet from each corner of the main building. The cameras on poles were connected by simple 802.11b wireless links. Receivers on the main building connect through Cat5 cable to the plant network. There are also two fixed cameras focused on an entrance and alley.

A central monitoring station inside the plant