



Video Solutions for Security Professionals™

CASE STUDY



At a Glance:

Market:

Large Infrastructure

Location:

Texas

Application:

A powerful system involving 16 PTZ cameras were needed to offer full situational awareness inside an auto manufacturing plant.

Case Study: LTS PTZ Cameras Secure Car Assembly Plant

Introduction

A well-known automaker with a plant in Texas wanted to secure its equipment and ensure its large, heavy and fast moving machinery worked properly in the paint department. Managers consulted a security professional to find a solution that offered full situational awareness to monitor the equipment. The system needed to be affordable, flexible, reliable, and secure the assembly line and make the employees feel safer as well. The installer found a notable solution utilizing PTZ cameras that offered easy installation and full situational awareness of the production process with pan, tilt, and zoom capabilities.

Challenge

Securing a large assembly plant is like securing a small city. Every area of the production line needs to be observed. Before installation, the installer drafted plans where and how the

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PTZ cameras were going to be installed. What the installer didn't anticipate was an electrical issue that would underpower the PTZs. Not having enough amperage would allow the cameras to turn on, but not have full range of motion to pan, tilt, and zoom. These are key functions the automaker desired so they would no longer need to send a technician out to ensure the machinery was working. It cut down on response times to fix the machinery as well.

Solution

Sixteen Platinum IP PTZ High Speed Dome Cameras 2.1 MP, PTZIP512X20IR, were installed and secured to steel posts overlooking and surrounding the production line. The installer consulted with an LTS technician to find the reason for the electrical issue. The technician realized the installer did not utilize PoE injectors included with the cameras, and the reason they weren't functioning. Once the PoE injectors were plugged-in, the cameras could pan,

tilt, and zoom. However, the installer was later able to provide the necessary wattage to the cameras without the PoE injectors by using managed PoE switches. This allowed them to not only fully power the cameras, but transmit video data from the cameras to the Platinum Enterprise Level 32 Channel 4K NVR 1.5U, LTN8832K-P16. A Western Digital Purple Surveillance Hard Drive 6TB, DHWD60PURX, recorded and stored video information of the paint department.

Featured Products:

(PTZIP512X20IR) Platinum IP PTZ High Speed Dome Camera 2.1MP

(LTN8832K-P16) Platinum Enterprise Level 32 Channel 4K NVR 1.5U

(DHWD60PURX) Western Digital Purple Surveillance Hard Drive – 6TB



Results

After resolving the electrical issue, the equipment worked exactly how it was supposed to. Both the installer and automaker were happy with the overall quality of the equipment. The LTS technician says the installer and the automaker are awaiting final approval to start installing cameras in other key departments of the assembly plant. They're also talking about installing cameras in other facilities.

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