

Boosting security at Atsugi Plastics. 24 hour efficient factory monitoring by Axis network cameras.



Organization:
Atsugi Plastics Kanto
Factory

Location:
Maebashi City, Gunma
Prefecture, Japan

Industry segment:
Manufacturing

Application:
Factory monitoring
system

Axis partner:
NetCam Systems
Corporation

Mission

Atsugi Plastics Kanto factory manufactures plastic cups for foods such as Meiji Bulgaria Yoghurt, Akai Kitsune noodles and Ippei-Chan noodles. The company produces roughly 30% of the total plastic cups used for instant ramen and yakisoba noodles in Japan. The Kanto factory employs 250 persons and is in operation 24 hours a day. Traditionally, introducing a monitoring system has been a challenge, especially in order to monitor the factory at night, and for the security inside and outside of the factory.

Solution

In 2007 and 2008, Atsugi Plastics conducted trials with analog cameras, recorders and web cameras. The network cameras were selected as the most appropriate choice, and the selection of cameras began. The cameras needed to be as small and lightweight as possible. NetCam Systems Corporation recommended the AXIS M1011 as a small, lightweight, and high-performance fixed network camera, and 42 of these cameras were installed in

one of the factories in April 2010. It became possible to monitor the videos being recorded by all 42 cameras in the factory with one computer, using NetCam Systems' recording software, KxView Pro 32.

Result

After the network cameras were installed, the following points were noted:

- > Movement of machines: Conducting safety-checks when employees notice trouble with a machine, and checking that important parts of the machines are running smoothly
- > Security inside the factory: Checking the factory as a whole

In addition, when there is a need to check the status of work after the product has been shipped, it is now possible to check as far back as three months.

"The effects of introducing network cameras have been great indeed. We are moving toward installation of 70 additional AXIS M10 Series Network Cameras in Factory 1 and Factory 3 of the Kanto factory branches."

Mr. Koji Takahashi, Factory Manager, Kanto Factory, Atsugi Plastics.

H.264 support is needed to install a large number of cameras

At Atsugi Plastics, 48TB of storage was made ready, and this is consumed in three months because the cameras are in operation 24-hours a day, when storing data as Motion JPEG videos.

For this reason, the company is planning to change the method of video compression from Motion JPEG to H.264, since H.264 is the latest in technology for conserving bandwidth and storage capacity.

As AXIS M10 Series Network Cameras support H.264, it will be possible to effectively utilize system resources in the future.

Planning expansion to additional factories

"Food manufacturers want the manufacturers of the cups for their food products to have extremely strict quality-assurance checks. For example, there are times when inspectors must check all products one by one after they have been packaged in cardboard in our factory. With the network camera system installation, we have seen improvement in Factory 2, and we plan to expand the system to Factory 1 and Factory 3 during 2010," says Mr. Satoru Ishigami, Department Manager, System Department, Administrative Headquarters, Atsugi Plastics.



Atsugi Plastics
www2.atsugiplastics.com



Netcam Systems
www.ncam.net