

# SUCCESS STORY

[www.basler-ipcam.com](http://www.basler-ipcam.com)

## Basler IP Cameras Keep an Eye on the HAIX® Production Facility in Croatia



### Customer

- HAIX OBUĆA d.o.o.
- Location: Mala Subotica, Croatia
- Industry: Production
- Completed: 2009

### Application

The German company HAIX® Schuhe GmbH has been developing special footwear for firefighters, police, military personnel, and hunters since 1948. For their new production facility in Croatia, HAIX OBUĆA d.o.o. was looking for a flexible, high-performance video surveillance system.

For indoor and outdoor surveillance of the production facility, the cameras had to provide the ability to adjust to varying lighting conditions from very bright during the day to dim at night.

HAIX OBUĆA also needed motion detection functionality that would help prevent break-ins and property damage. Bandwidth consumption was an additional concern, requiring the video surveillance solution to have specific compression capabilities while still delivering high-quality images.

This combination of requirements pointed to an IP-based video surveillance solution.

### Solution and Benefits

HAIX OBUĆA uses two different Basler IP camera models. For indoor use, HAIX OBUĆA decided on Basler BIP-640c cameras that can automatically adjust the iris opening, exposure time, and gain in response to changing lighting conditions.

To allow for outdoor surveillance, even at night with almost no external light available, HAIX OBUĆA uses Basler BIP-640c-dn cameras with true day/night capability. These cameras are equipped with a mechanism that places an IR cut filter in front of the sensor in day mode and removes the filter in night mode. This allows the cameras to correctly represent colors using the visible light available during the daytime and to produce high quality black and white images when there is only IR light available at night. To protect the cameras from dust, moisture, and extreme temperatures, they were placed in protective housings.

All of the cameras are connected to a central monitoring station via an Ethernet network. Basler IP cameras each have the ability to transmit up to three image streams. All of the streams can be encoded as motion JPEG, and one of the streams can also be encoded as either MPEG-4 or H.264. On each stream, the user can adjust the output scaling, frame rate scaling, AOI, and encoder mode to lower the amount of bandwidth that the camera is using.

At the central monitoring station, the surveillance system is controlled and images are evaluated using NETAVIS Observer Video Management Software. The operator can make use of the different camera functions such as motion detection and alarm buffering. This means that if the camera detects a person approaching the production facility, an alarm can be issued via email, FTP, HTTP, software, or an electrical output signal. An alarm buffer can be set up so that images are captured and stored both a few seconds before and a few seconds after an alarm event is detected. An operator can play back the buffer and easily see what triggered an alarm event. This way, a potential break-in can be stopped instead of just being captured by a camera.

### Technologies Used

- Basler BIP-640c and BIP-640c-dn with a Tamron lens (DC Iris IR 1.0/3-8mm, 1/3", CS-mount) and Lilin external housing
- NETAVIS Observer Video Management Software

### Further Information

[www.basler-ipcam.com](http://www.basler-ipcam.com)

#### Basler AG

##### Germany, Headquarters

Tel. +49 4102 463 500

Fax +49 4102 463 599

[bc.sales.europe@baslerweb.com](mailto:bc.sales.europe@baslerweb.com)

[www.basler-ipcam.com](http://www.basler-ipcam.com)

##### USA

Tel. +1 610 280 0171

Fax +1 610 280 7608

[bc.sales.usa@baslerweb.com](mailto:bc.sales.usa@baslerweb.com)

##### Asia

Tel. +65 6425 0472

Fax +65 6425 0473

[ip.sales.asia@baslerweb.com](mailto:ip.sales.asia@baslerweb.com)

07/2010

**BASLER**